

The background is a deep blue gradient with vertical light blue streaks. There are several large, semi-transparent circles of varying shades of blue and white. Scattered throughout are small, white, starburst or snowflake-like shapes. The text is in a bold, yellow, sans-serif font with a slight drop shadow.

ACI
2010
Awards Program

**March 21 • Sheraton Chicago
Chicago, IL**

Table of Contents

List of Awards	2-3
Honorary Members	4-9
50-Year Membership Citations	10-12
Fellows	13-19, 40-56
Photos of Awards	20-21
Award Citations	22-38
Chapter Awards—Citations of Excellence	39
Award Recipient Biographies	40-77
Index	78-81

Awards

HONORARY MEMBERSHIP

Daniel L. Baker
Angel Herrera

Brad D. Inman
H. S. Lew

Surendra P. Shah

50-YEAR MEMBERSHIP

Charles Ang
Edward Aziz
John Brunalli
D. Gene Daniel
Emery Farkas
Kenneth D. Hansen
John M. Hanson
Kal Hindo
D. Kennedy

L. Robert Kimball
Eleusipo Labrada
Joseph F. Lamond
Murray Low
Ronald B. McPherson
Bernard L. Meyers
Donald E. Milks
Warren Minner
Isam (Sam) Munir

Dan Ravina
Dennis E. Roby
Henry Rouillard
Stuart Thompson
James Warner
J. Craig Williams
Leonard Woodruff
Asim Yeginobali

FELLOWS

James Aldred
Robert W. Barnes
Oguzhan Bayrak
Evan C. Bentz
Young Soo Chung
Cesar A. Constantino
Juan Pablo Covarrubias
Russell L. Hill
Marc Jolin
Jose Daniel
Damazo-Juarez
Dominic J. Kelly

Kimberly E. Kurtis
Laura N. Lowes
Paul F. Mlakar
John W. Nehasil
Lawrence C. Novak
Gianfranco Ottazzi
Long Phan
José Ignacio Restrepo
David Rogowsky
Harry C. Roof
David Rothstein
Larbi Sennour

John F. Silva
Sri Sritharan
Michael S. Stenko
Kolluru V.L.
Subramaniam
Thomas John Van Dam
Arthur T. Weiss Jr.
Jason Weiss
Yan Xiao
Kari Yuers

ARTHUR R. ANDERSON AWARD

Ward R. Malisch

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Bruce A. Suprenant

JOE W. KELLY AWARD

Ken Bondy

HENRY L. KENNEDY AWARD

Jon B. Ardahl

ALFRED E. LINDAU AWARD

Ron Klemencic

HENRY C. TURNER MEDAL

Concrete Reinforcing Steel Institute

CHARLES S. WHITNEY MEDAL

Baker Concrete Construction, Inc.

ACI CERTIFICATION AWARD

Vartan Babakhanian • David Darwin • Mario R. Diaz

ACI DISTINGUISHED ACHIEVEMENT AWARD

Illinois Ready Mixed Concrete Association

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Maria Juenger • Nakin Suksawang • Jennifer Tanner

WASON MEDAL FOR MOST MERITORIOUS PAPER

Gary J. Klein

ACI CONSTRUCTION AWARD

Victor H. Villarreal

WASON MEDAL FOR MATERIALS RESEARCH

Michael D. A. Thomas • Allan Scott • Theodore W. Bremner

Alain Bilodeau • Donna C. Day

CHESTER PAUL SIESS AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

Aurelio Muttoni

ACI DESIGN AWARD

Hartwig N. Schneider • Ingo Bergmann

DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD

V. Tim Cost • Russell L. Hill • Michael S. Stenko

CHAPTER ACTIVITIES AWARD (DOMESTIC)

J. Mitchell Englestead • Mike Murray

CHAPTER ACTIVITIES AWARD (INTERNATIONAL)

Mohammed H. Al-Nagadi • Mario A. Chiorino

WALTER P. MOORE, JR. FACULTY ACHIEVEMENT AWARD

Mahmoud Reda Taha

ACI FOUNDATION CONCRETE RESEARCH COUNCIL

ARTHUR J. BOASE AWARD

Sami Hanna Rizkalla

ACI FOUNDATION CONCRETE RESEARCH COUNCIL

ROBERT E. PHILLEO AWARD

H. Celik Ozyildirim

EDUCATIONAL ACTIVITIES COMMITTEE SPEAKER OF THE YEAR AWARD

James R. Harris • Jerry A. Holland

CHAPTER AWARDS – CITATIONS OF EXCELLENCE

Honorary membership—
The Institute’s highest honor recognizes persons “of eminence in the field of the Institute’s interest, or one who has performed extraordinary meritorious service to the Institute.”
(Bylaws, Article II, Section 2.)
Established in 1926, 208 have been elected to this position.

Honorary Members

“for his outstanding leadership in the preparation of the ACI Fellowship Program and his many other contributions to ACI including his outstanding leadership of the Institute and providing an example to other concrete contractors as to the benefits of membership in ACI”



Daniel L. Baker

Daniel L. Baker is President and CEO of Baker Concrete Construction, Inc., located in Monroe, OH. In 1968, he started Baker Concrete; and now, 41 years later, Baker Concrete is nationally recognized as a leader in the concrete construction industry.

An ACI member since 1975, he served as ACI President and Vice President in 2001 and 2000, respectively; and was a member of the ACI Board of Direction from 1993 to 2005; the ACI Membership Committee from 1990 to 1993; the ACI Construction Oversight Committee from 1993 to 1997; the ACI Foundation Committee from 1993 to 2003, and the ACI Financial Advisory Committee from 1993 to 1999. Baker served on the ACI Concrete Research and Education Foundation (ConREF) Executive Committee from 1999 to 2003, the ACI Committee on Nominations from 1997 to 1998 and 2002 to 2005; the ACI Strategic Planning Oversight Committee from 1997 to 2000; the ACI International Membership Committee from 2002 to 2008; and the ACI Technical Activities Committee from 2001 to 2002. He was Chair of the ACI Construction Liaison Committee from 1992 to 1996 and the ACI Certification Programs Committee from 1996 to 1999, and a member and Chair of the ACI Standards Board Committee from 2002 to 2007 (Chair from 2007 to 2008), the ACI Honorary Membership Committee from 2002 to 2005 (Chair from 2005 to 2006), the ACI Committee for Awards on Papers from 2002 to 2003 (Chair from 2003 to 2005), and the ACI Honors and Awards Committee from 2004 to 2006 (Chair from 2004 to 2005). Baker received the ACI Roger H. Corbetta Concrete Constructor Award in 1993 and the ACI Henry L. Kennedy Award in 1999.

Honorary Members



Angel Herrera

“for his continuous and dedicated support for over 50 years of the use and development of concrete as the main material for construction of infrastructure, institutional buildings and housing”

Angel Herrera is a Consulting Professional Engineer in San Juan, PR. He was the Managing Partner of CMA Architects & Engineers LLP, a multidisciplinary firm based in San Juan, PR, until his retirement at the end of 2000. He has presented papers and chaired sessions at ACI conventions. He is a member of ACI Subcommittees 318-L, International Liaison, and 318-WA, International Workshop—Structural Concrete in the Americas, and ACI Committees 341, Earthquake-Resistant Concrete Bridges; 342, Evaluation of Concrete Bridges and Bridge Elements; 374, Performance-Based Seismic Design of Concrete Buildings; and Joint ACI-ASCE Committee 343, Concrete Bridge Design. He is a past member of the ACI International Committee and the Fellows Nomination Committee. He was responsible for technical matters at two ACI conventions held in Puerto Rico. He is a Fellow of the American Society of Civil Engineers (ASCE) and a member of the College of Engineers and Surveyors of Puerto Rico.

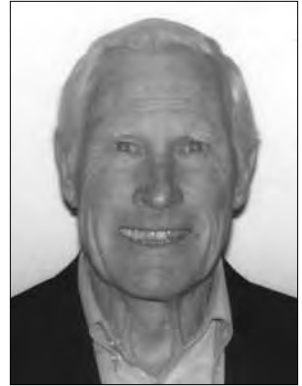
Herrera received his BS in civil engineering from the University of Havana, Havana, Cuba, in 1957, and his MS in civil engineering from the University of Puerto Rico, Mayagüez, PR, in 1979. He has authored or co-authored papers published in various technical journals.

His research interests include the use and development of concrete as the preferred material for the construction of infrastructure, institutional and commercial buildings, and housing.

Herrera has practiced forensic engineering in federal and state courts. He is a licensed professional engineer in Puerto Rico, Florida (ret.), Georgia, Pennsylvania, and Arizona.

Honorary Members

“for his outstanding achievements and contributions to ACI and the concrete building industry, particularly for advancing and elevating the role of the concrete practitioner in the design and construction process”



Brad D. Inman

Brad D. Inman completed a 41-year career in construction in 2003 as Director of Construction for the renovation, seismic retrofitting, and reconstruction of the historic San Francisco Main Library into the Asian Art Museum. Prior to that, he worked at Guy F. Atkinson Co.; Charles Pankow Companies; and Taisei America, producing commercial and residential projects using various structural concrete applications.

He is a member of the ACI Construction Liaison Committee and ACI Committees E-703, Concrete Construction Practices, and 120, History of Concrete. He is a past member of the ACI Educational Activities Committee, the Publications Committee, the Responsibility in Concrete Construction Committee, and the Financial Advisory Committee. He received the ACI Roger H. Corbetta Concrete Constructor Award in 2003. He is a Past President and Board member of the American Society of Concrete Contractors (ASCC), where he continues to work to improve the skill and professionalism of the concrete practitioner and to facilitate more effective working relationships between the professional and engineering side of the industry and the construction implementers.

His research interests include the application of innovative business tools and structural concrete methods to produce successful projects for clients. These include design/build project delivery and the use of flying forms, slipforming, precasting, and precast as formwork to realize more efficient building frames.

Inman received his BS in civil engineering from Stanford University, Palo Alto, CA, in 1962.

Honorary Members



“for his lifetime technical contributions in the fields of concrete materials and structural design; his dedication, service, and leadership within ACI; and his highly successful efforts to strengthen international ties within the concrete industry”

H. S. Lew

H. S. Lew, as Senior Research Engineer, directs a broad range of research programs in the field of structural engineering. He joined the National Institute of Standards and Technology (NIST) in 1968. He became Chief of the Construction Safety Section; the Structural Evaluation Section; and the Structures Division in 1978, 1985, and 1989, respectively. Prior to joining NIST, he was an Assistant Professor at the University of Texas at Austin, Austin, TX.

He served on the ACI Board of Direction from 1987 to 1990 and the Technical Activities Committee from 1989 to 1995, chaired the Board of Trustees of the ACI Concrete Research and Education Foundation (ConREF), and serves on the ACI Concrete Research Council. He is a member of ACI Committees 228, Nondestructive Testing of Concrete; 318, Structural Concrete Building Code; and 347, Formwork for Concrete. He served on the ACI Convention Committee; the ACI International Committee; the ACI Chapter Activities Committee; and ACI Committees 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 348, Structural Safety; and 437, Strength Evaluation of Existing Concrete Structures.

Lew received the ACI Wason Medals for Materials Research and for Most Meritorious Paper in 1980 and 1988, respectively; the ACI Henry L. Kennedy Award in 1990; the ACI Chapter Activities Award in 1995; and the ACI Henry C. Turner Medal in 1999. He is a Fellow of the American Society of Civil Engineers (ASCE), an Honorary Member of the Architectural Institute of Korea, and a member of the National Academy of Engineering of Korea. He was selected as the U.S. Department of Commerce “Engineer of the Year” in 1995.

Lew received his BS in architectural engineering from Washington University, St. Louis, MO; his MS in civil engineering from Lehigh University, Bethlehem, PA; and his PhD from the University of Texas at Austin in 1960, 1963, and 1967, respectively. He is a licensed professional engineer in the District of Columbia, Maryland, and New York.

Honorary Members

“for his outstanding contributions as a researcher, teacher, and mentor in the field of concrete materials, and as the founder and Director of the Center for Advanced Cement-Based Materials”



Surendra P. Shah

Surendra P. Shah is a Walter P. Murphy Professor of Civil Engineering and Director of the pioneering, internationally recognized National Science Foundation Science and Technology Center for Advanced Cement-Based Materials (ACBM) at Northwestern University, Evanston, IL. He is an Honorary Professor at Hong Kong Polytechnic University and past Honorary Professor at L'Aquila University and the Indian Institute of Technology, Mumbai, India.

An ACI Fellow since 1976, Shah served as Chair and is a member of ACI Committees 215, Fatigue of Concrete, and 544, Fiber Reinforced Concrete. He is a member of ACI Committees 548, Polymers and Adhesives for Concrete; and 549, Thin Reinforced Cementitious Products and Ferrocement; and Joint ACI-ASCE Committee 446, Fracture Mechanics of Concrete. He is a past member of the ACI Technical Council on High Strength Concrete and the ACI Editorial Committee. He received the ACI Arthur R. Anderson Award in 1989 (personal) and 1999 (for ACBM); the ACI Illinois Chapter Henry Crown Award in 2000; an ACI Honorary Symposium, *Concrete: Material Science to Application, A Tribute to Surendra P. Shah*, in 2002; and the ACI Foundation CRC Robert E. Philleo Award in 2006. He is a member of ASCE and ASTM International, and the National Academy of Engineering. He is also a Fellow of the Indian Academy of Engineering and a Foreign Member of the Chinese Academy of Engineering. He co-authored two textbooks, published more than 400 journal articles, co-edited approximately 20 symposium volumes, and was the Editor-in-Chief of the journal, *Materials and Structures*. He has been Principal Advisor for more than 100 graduate students and 60 post-doctoral fellows. His research interests include promoting cement and concrete research globally.

Shah received his BE from B.V.M. College in Bombay, India; his MS from Lehigh University, Lehigh, PA; and his PhD from Cornell University, Ithaca, NY, in 1959, 1960, and 1965, respectively.

50-Year Membership Citations _____

50-Year Membership Citations
Expression of appreciation to members who have contributed to the success of the Institute by maintaining membership of at least 50 years.



D. Gene Daniel



Emery Farkas



Kenneth D. Hansen



John M. Hanson



Kal Hindo



L. Robert Kimball

50-Year Membership Citations



Joseph F. Lamond



Murray Low



Bernard L. Meyers



Donald E. Milks



Warren Minner



Isam (Sam) Munir

50-Year Membership Citations _____



Dennis E. Roby



James Warner



J. Craig Williams



Asim Yeginobali

Not Pictured:

Charles Ang
Edward Aziz
John Brunalli
D. Kennedy
Eleusipo Labrada

Ronald B. McPherson
Dan Ravina
Henry Rouillard
Stuart Thompson
Leonard Woodruff

Fellow—“A Fellow shall be a person who has made outstanding contributions to the production or use of concrete materials, products, and structures in the areas of education, research, development, design, construction, or management.”
(Bylaws, Article II, Section 3.)
Created in 1973, 642 members now hold the position of Fellow. They are recommended by the Fellows Nomination Committee and elected by the Board of Direction.

Fellows



James Aldred



Robert W. Barnes



Oguzhan Bayrak



Evan C. Bentz



Young Soo Chung



Cesar A. Constantino



Juan Pablo
Covarrubias



Russell L. Hill



Marc Jolin



Jose Daniel
Damazo-Juarez



Dominic J. Kelly



Kimberly E. Kurtis

Fellows



Laura N. Lowes



Paul F. Mlakar



John W. Nehasil



Lawrence C. Novak



Gianfranco Ottazzi



Long Phan



José Ignacio Restrepo



David Rogowsky



Harry C. Roof



David Rothstein



Larbi Sennour



John F. Silva

Fellows



Sri Sritharan



Michael S. Stenko



Kolluru V. L.
Subramaniam



Thomas John
Van Dam



Arthur T. Weiss Jr.



Jason Weiss

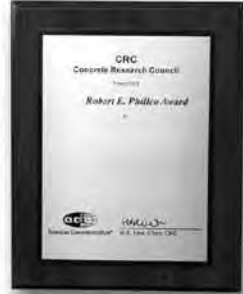


Yan Xiao



Kari Yuers

ACI Awards





Arthur R. Anderson Award _____



“for his extraordinary and unparalleled dedication, advice, guidance and knowledge sharing publications for the concrete construction industry”

(For bio see page 57)

Ward R. Malisch

The **Arthur R. Anderson Award** was established in 1972 by the Institute in recognition of Arthur R. Anderson, Past President of the Institute, for his imaginative and outstanding leadership and insistence on excellence of concrete quality for engineering works.

The award is given for outstanding contributions to the advancement of knowledge of concrete as a construction material and need not be presented each year. All persons, firms, corporations, or organizations are eligible to receive the award.

Roger H. Corbetta Concrete Constructor Award _____



“in recognition of his outstanding contributions to improve the concrete industry related to design, construction, materials and repair, for providing leadership through technical, educational and publication services, and for decades of dedicated service to the American Concrete Institute and the American Society of Concrete Contractors”

(For bio see pages 57-58)

Bruce A. Suprenant

The **Roger H. Corbetta Concrete Constructor Award** was established in 1972 by the Institute in recognition of Roger H. Corbetta, Past President of the Institute, for his creative leadership and his many outstanding contributions to the use of concrete for construction.

The award is given to an individual or an organization who, or which, as a constructor, has made significant contributions to progress in methods of concrete construction.

Joe W. Kelly Award

“in recognition of his outstanding contributions to the education of structural engineers in the field of post-tensioned concrete design both at an academic level and as an educator of practicing structural engineers”



Ken Bondy

(For bio see pages 58-59)

The **Joe W. Kelly Award** was established in 1974 in recognition of the contributions of Joe W. Kelly, Past President of the Institute, to concrete technology, his devotion to teaching, the advancement of his profession, and the use of concrete in construction.

The award is given only for outstanding contributions to education in the broad field of concrete.

Henry L. Kennedy Award

“for his many notable contributions to ACI technical committees and documents, and especially for his leadership in the development of specifications for structural concrete and the code for environmental engineering concrete structures”



Jon B. Ardahl

(For bio see page 59)

The **Henry L. Kennedy Award** was established in 1958. The award is given only for outstanding technical or administrative service to the Institute and is not mandatory each year. The basis for selection of awardees is outstanding activity or service that has enhanced the Institute's prestige, marked leadership in technical, administrative, or special committee work, or other distinguished service to the Institute.

Alfred E. Lindau Award



Ron Klemencic

“in recognition of his many contributions to furthering the use of reinforced concrete in the design and construction of high rise structures in high seismic zones while acquiring a reputation among his clients and contractors as an ‘idea guy’”

(For bio see page 60)

The **Alfred E. Lindau Award** is presented for outstanding contributions to reinforced concrete design practice, and is given in memory of Alfred E. Lindau, a Past President of the Institute. Founded in 1947, the award is open to any and all persons, firms, or corporations involved in concrete design.

Henry C. Turner Medal



“for extraordinary support to the concrete industry through its technical publications, design aids, software programs and educational seminars”

Concrete Reinforcing
Steel Institute

(For bio see pages 60-61)

The **Henry C. Turner Medal** was founded in 1927 by Henry C. Turner, Past President, American Concrete Institute. It is awarded for notable achievements in, or service to, the concrete industry.

In making selections for the Turner Medal, the committee is not restricted to members of the Institute nor to the achievements of any particular period. It may be awarded once in any year.

Charles S. Whitney Medal

“for taking a leadership role among contractors and concrete practitioners in contributing to the improvement of the reinforced concrete construction industry through significant participation, and leadership in the American Concrete Institute and the American Society of Concrete Contractors”



(For bio see pages 61-62)

Baker Concrete
Construction, Inc.

The **Charles S. Whitney Medal** is presented for Engineering Development, and was founded in 1961 by Ammann and Whitney to honor the memory of Charles S. Whitney. It may be bestowed once in any year, for noteworthy engineering development work in concrete design or construction. The recognition may be extended to a firm or agency alone or to an individual.

Any outstanding engineering development work contributing importantly, through development of general engineering practice or through application in specific noteworthy projects, to the advancement of the sciences or arts of concrete design or construction, is eligible.

ACI Certification Award

“for outstanding and tireless service on ACI Certification Committees and in promoting and administering ACI Certification programs”



(For bio see pages 62-63)

Vartan Babakhanian

The **ACI Certification Award** recognizes individuals and organizations who have made notable contributions to the advancement of ACI Certification. The ACI Certification Award may be presented annually to a maximum of three recipients, but need not be presented each year.

ACI Certification Award ---



David Darwin

“for foresight and dedication in promoting ACI Certification to civil engineering students through its incorporation into the University of Kansas civil engineering curriculum”

(For bio see page 63)

The **ACI Certification Award** recognizes individuals and organizations who have made notable contributions to the advancement of ACI Certification. The ACI Certification Award may be presented annually to a maximum of three recipients, but need not be presented each year.

ACI Certification Award ---



Mario R. Diaz

“for outstanding service on ACI Certification Committees and facilitating initiation and growth of ACI Certification programs throughout Latin America”

(For bio see page 64)

The **ACI Certification Award** recognizes individuals and organizations who have made notable contributions to the advancement of ACI Certification. The ACI Certification Award may be presented annually to a maximum of three recipients, but need not be presented each year.

ACI Distinguished Achievement Award

“for their sustained advocacy of quality ready mixed concrete in Illinois through promotional events, legislative activities, educational seminars, and publications”



(For bio see pages 64-65)

Illinois Ready Mixed
Concrete Association

The **ACI Distinguished Achievement Award** was established in 2004 “to recognize individuals or entities who have made notable contributions to the advancement of the concrete industry.” Nominees must be nonmembers, and the award need not be awarded annually.

ACI Young Member Award for Professional Achievement

“for contributions in education and research related to cement chemistry as it contributes to a better understanding of durability, admixture mechanisms, and heat of hydration and cracking”



Maria Juenger

(For bio see page 65)

The **ACI Young Member Award for Professional Achievement** was established in 1997 “for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement.” Those selected must be Institute members and 35 years of age or younger at the time of the nomination.

ACI Young Member Award for Professional Achievement



Nakin Suksawang

“for contributions to concrete technology, including technical publications, convention presentations, service as an ACI chapter member, and on technical committees”

(For bio see pages 65-66)

The **ACI Young Member Award for Professional Achievement** was established in 1997 “for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement.” Those selected must be Institute members and 35 years of age or younger at the time of the nomination.

ACI Young Member Award for Professional Achievement



Jennifer Tanner

“for contributions to concrete and masonry technology, including technical publications, convention presentations, educational initiatives, and service on ACI technical committees”

(For bio see page 66)

The **ACI Young Member Award for Professional Achievement** was established in 1997 “for the purpose of recognizing the contributions of younger members of the Institute, and for professional achievement.” Those selected must be Institute members and 35 years of age or younger at the time of the nomination.

Wason Medal for Most Meritorious Paper

“for his paper introducing the curved-bar node concept to the strut and tie model for improved detailing in connection regions”

“Curved-Bar Nodes,” *Concrete International*,
September 2008, pages 42-47

(For bio see pages 66-67)



Gary J. Klein

The **Wason Medal for Most Meritorious Paper** was founded in 1917 by Leonard C. Wason, Past President of the Institute, and has been awarded continuously since that date. It is awarded each year to the author or authors of the most meritorious paper published by the Institute.

All original papers presented to the Institute by members (or if coauthored, at least one author must be an ACI member) and published by the Institute during the volume year for which the medal is awarded are eligible.

ACI Construction Award

“for his paper describing the benefit of replacing portion of normalweight aggregates with lightweight aggregates to mitigate plastic and drying shrinkage cracking”

“Internal Curing—Real World Ready Mix Production and Applications: A Practical Approach to Lightweight Modified Concrete,” *Internal Curing of High Performance Concrete: Lab and Field Experiences*, SP-256, Paper 4, pages 45-56

(For bio see page 67)



Victor H. Villarreal

The **ACI Construction Award** was founded in 1944. The intent of this award is to enrich the literature in construction practice and to honor the construction worker whose resourcefulness produces a completed structure from drawings and specifications. This award is not restricted to members of the Institute.

Wason Medal for Materials Research _____



Michael D. A. Thomas

“for his coauthored paper of an experimental study that evaluated the influence of w/cm ratio and slag content in concrete exposed to freezing and thawing in severe marine environment”

“Performance of Slag Concrete in Marine Environment,”
ACI Materials Journal, November-December 2008,
pages 628-634

(For bio see pages 67-68)

The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, Past President of the Institute. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all coauthors become eligible for the award.

Wason Medal for Materials Research _____



Allan Scott

“for his coauthored paper of an experimental study that evaluated the influence of w/cm ratio and slag content in concrete exposed to freezing and thawing in severe marine environment”

“Performance of Slag Concrete in Marine Environment,”
ACI Materials Journal, November-December 2008,
pages 628-634

(For bio see page 68)

The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, Past President of the Institute. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all coauthors become eligible for the award.

Wason Medal for Materials Research

“for his coauthored paper of an experimental study that evaluated the influence of w/cm ratio and slag content in concrete exposed to freezing and thawing in severe marine environment”

“Performance of Slag Concrete in Marine Environment,”
ACI Materials Journal, November-December 2008,
pages 628-634

(For bio see pages 68-69)



Theodore W. Bremner

The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, Past President of the Institute. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all coauthors become eligible for the award.

Wason Medal for Materials Research

“for his coauthored paper of an experimental study that evaluated the influence of w/cm ratio and slag content in concrete exposed to freezing and thawing in severe marine environment”

“Performance of Slag Concrete in Marine Environment,”
ACI Materials Journal, November-December 2008,
pages 628-634

(For bio see page 69)



Alain Bilodeau

The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, Past President of the Institute. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all coauthors become eligible for the award.

Wason Medal for Materials Research _____



Donna C. Day

“for her coauthored paper of an experimental study that evaluated the influence of w/cm ratio and slag content in concrete exposed to freezing and thawing in severe marine environment”

“Performance of Slag Concrete in Marine Environment,” *ACI Materials Journal*, November-December 2008, pages 628-634

(For bio see page 69)

The **Wason Medal for Materials Research** was founded in 1917 by Leonard C. Wason, Past President of the Institute. Any report of original research work on concrete materials and their uses, or a discovery that advances the state of knowledge of materials used in the concrete industry is eligible for the Wason Medal for Materials Research. When awarded, it is bestowed for the research discovery judged worthy of special commendation. It is restricted to members of the Institute, but if a paper of multiple authorship has one author who is an ACI member, all coauthors become eligible for the award.

Chester Paul Siess Award for Excellence in Structural Research _____



Aurelio Muttoni

“for his paper on a theoretical approach explaining the punching shear behavior of flat slabs without shear reinforcement on the basis of the opening of a critical shear crack”

“Punching Shear Strength of Reinforced Concrete Slabs without Transverse Reinforcement,” *ACI Structural Journal*, July-August 2008, pages 440-450

(For bio see page 70)

The **Chester Paul Siess Award for Excellence in Structural Research** is given to the author or authors of a peer-reviewed paper published by the Institute that describes a notable achievement in experimental or analytical research that advances the theory or practice of structural engineering and, most importantly, recommends how the research can be applied to design. At least one of the recipients must be a member of the Institute. The award need not be presented each year.

ACI Design Award

“for his coauthored paper encouraging the use of textile-reinforced concrete as a new high performance noncorrosive composite material for a wide range of structural or cladding applications”

“The Application Potential of Textile-Reinforced Concrete,” *Textile-Reinforced Concrete*, SP-250, Paper 1, pages 7-22

(For bio see page 70)



Hartwig N. Schneider

The **ACI Design Award** honors a paper that describes advanced concepts and techniques applied to a specific design project. Awarded to the author or coauthors of the paper and to the engineer or engineering firm responsible for the design.

ACI Design Award

“for his coauthored paper encouraging the use of textile-reinforced concrete as a new high performance noncorrosive composite material for a wide range of structural or cladding applications”

“The Application Potential of Textile-Reinforced Concrete,” *Textile-Reinforced Concrete*, SP-250, Paper 1, pages 7-22

(For bio see pages 70-71)



Ingo Bergmann

The **ACI Design Award** honors a paper that describes advanced concepts and techniques applied to a specific design project. Awarded to the author or coauthors of the paper and to the engineer or engineering firm responsible for the design.

Delmar L. Bloem Distinguished Service Award _____



*“for outstanding leadership of Committee 330,
Concrete Parking Lots and Site Paving”*

(For bio see page 71)

V. Tim Cost

The **Delmar L. Bloem Distinguished Service Award** is given in recognition of noteworthy work on ACI technical committees. This award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute, nominations come from the Technical Activities Committee and are approved by the Board.

Delmar L. Bloem Distinguished Service Award _____



*“for outstanding leadership of Committee 201,
Durability of Concrete”*

(For bio see page 44)

Russell L. Hill

The **Delmar L. Bloem Distinguished Service Award** is given in recognition of noteworthy work on ACI technical committees. This award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute, nominations come from the Technical Activities Committee and are approved by the Board.

Delmar L. Bloem Distinguished Service Award

*“for outstanding leadership of Committee 548,
Polymers and Adhesives for Concrete”*



Michael S. Stenko

(For bio see page 53)

The **Delmar L. Bloem Distinguished Service Award** is given in recognition of noteworthy work on ACI technical committees. This award goes to a current (or recent) chair, or under special circumstances, to deserving individuals other than committee chairs, for outstanding service. Created in 1969, then renamed 2 years later to memorialize Bloem for his outstanding contributions to the technical work of the Institute, nominations come from the Technical Activities Committee and are approved by the Board.

Chapter Activities Award—Domestic

*“for his outstanding service to the ACI
Las Vegas Chapter and continued
dedication to the education of the
Las Vegas concrete industry”*



J. Mitchell Englestead

(For bio see page 72)

The **Chapter Activities Award** was founded in 1975, and recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Committee and are approved by the Board.

Chapter Activities Award—Domestic _____



Mike Murray

“for his exemplary service and dedication to the ACI Kansas Chapter and enthusiastic promotion of the concrete industry”

(For bio see page 72)

The **Chapter Activities Award** was founded in 1975, and recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Committee and are approved by the Board.

Chapter Activities Award—International _____



Mohammed H.
Al-Nagadi

“for his dedication, leadership and enthusiastic promotion of the ACI Saudi Arabia Chapter”

(For bio see pages 72-73)

The **Chapter Activities Award** was founded in 1975, and recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Committee and are approved by the Board.

Chapter Activities Award—International

“for his outstanding leadership of the ACI Italy Chapter and promotion of scientific and technical knowledge”



Mario A. Chiorino

(For bio see page 73)

The **Chapter Activities Award** was founded in 1975, and recognizes outstanding service in the promotion and development of a chapter or chapters by a member of ACI. Nominations come from the Chapter Activities Committee and are approved by the Board.

Walter P. Moore, Jr. Faculty Achievement Award

“in recognition of his dedication and commitment to student involvement in concrete research, and his ability to connect theory with practice in the classroom”



Mahmoud Reda Taha

(For bio see pages 73 & 74)

The **Walter P. Moore, Jr. Faculty Achievement Award** was established in 2001 to honor the late Walter P. Moore, Jr., PhD, PE, NAE. Moore was an ACI Fellow, an ACI Board Member, and a structural engineer in Texas who believed in the development of educators committed to the teaching of concrete. This award is given to an individual with less than 7 years served in all faculty positions. The award recognizes excellence and innovation in the teachings of concrete design, materials, or construction, with demonstrated evidence of technical competence, high character, and integrity.

ACI Foundation Concrete Research Council— Arthur J. Boase Award



Sami Hanna Rizkalla

“for his significant research contributions and international leadership in advancing the knowledge and application of FRP reinforcement for concrete structures”

(For bio see pages 74-75)

The **Arthur J. Boase Award**, presented by the ACI Foundation Concrete Research Council, was first awarded in 1971 in recognition of outstanding activities and achievements in the reinforced concrete field.

ACI Foundation Concrete Research Council— Robert E. Philleo Award



H. Celik Ozyildirim

“for outstanding advancement of concrete technology in transportation structures through the application of concrete materials research on alternative cementitious materials, high-performance concrete and lightweight concrete”

(For bio see pages 75-76)

The **Robert E. Philleo Award** of the ACI Foundation Concrete Research Council, established in 1992, is given in recognition of a person, persons, or an organization for outstanding research in the concrete materials field, or for outstanding contributions to the advancement of concrete technology through application of the results of concrete materials research. It is given in memory of an Institute Past President and Honorary Member who was also Chair of the ACI Foundation Concrete Materials Research Council, now the Concrete Research Council.

Educational Activities Committee Speaker of the Year Award



James R. Harris



Jerry A. Holland

(For bio see pages 76-77)

Chapter Awards

CITATIONS OF EXCELLENCE

These awards are presented to Chapters that have achieved excellence in chapter activities and have made significant contributions to the activities of the American Concrete Institute.

Consideration is given in areas of education and certification activities, membership, meetings, local chapter award programs, public relations, newsletters, and student scholarships and/or the Sponsor-a-Student program.

Credit is given for hosting an ACI Convention for chapters in the United States and Canada but is not included in the point system for chapters in other nations.

For chapters in the United States and Canada, there are 95 possible points. Those chapters receiving 50 or more points are deemed to have achieved a ranking of "excellent." Those receiving a minimum of 35 points up to a maximum of 49 points are accorded "outstanding" status.

For international chapters, there are 53 possible points. A rating of at least 34 points is necessary for "excellent" honors. Those achieving at least 26 points are accorded "outstanding" status.

Excellent Chapters for 2009

Arizona	Missouri
Georgia	New Jersey
Illinois	New Mexico
India	Northeast Texas
Iran	Peru
Kansas	Pittsburgh
Louisiana	San Antonio

Outstanding Chapters for 2009

Carolinas	Intermountain
Central and Southern Mexico	Las Vegas
Eastern Pennsylvania and Delaware	Nebraska
Ethiopia	Northeast Mexico
Florida Suncoast	Ontario
Indiana	San Diego
	International
	Southern California

*Award Recipient Biographies*_____

HONORARY MEMBERSHIP – Daniel L. Baker (see page 5)

HONORARY MEMBERSHIP – Angel Herrera (see page 6)

HONORARY MEMBERSHIP – Brad D. Inman (see page 7)

HONORARY MEMBERSHIP – H. S. Lew (see page 8)

HONORARY MEMBERSHIP – Surendra P. Shah (see page 9)

FELLOWS

James Aldred is a Principal Engineer and LEED Accredited Professional with GHD Pty Ltd. and has over 25 years of experience in the concrete industry. He played an important role in the acceptance of permeability-reducing admixtures within the concrete industry and was instrumental in the implementation of performance specifications for concrete transport properties that have become common in the Middle East and Australasia. As an Independent Verifier on the Burj Khalifa, he has advanced the use of concrete in supertall structures.

He is a member of ACI Committees 130, Sustainability of Concrete; 201, Durability of Concrete; 212, Chemical Admixtures; 233, Ground Slag in Concrete; 234, Silica Fume in Concrete; 305, Hot Weather Concreting; and 365, Service Life Prediction. He received an award for outstanding and sustained contributions in the broad area of concrete technology at the 10th ACI International Conference on Recent Advances in Concrete Technology and Sustainability Issues in Seville, Spain. His independent verification and testing agency (IVTA) team was the winner of the 2009 Award for Excellence in Concrete in the Technology Category for “single stage pumping of concrete to a height of 601 meters on the Burj Dubai.” He has authored or co-authored over 40 technical papers on various aspects of concrete technology.

His research interests include concrete durability and transport properties. His research has contributed to the understanding of sorptivity and wick action as important transport mechanisms in concrete.

Aldred received his BSc (Hons) from the University of Sydney, Sydney, Australia, in 1980; his MEng from the National University of Singapore in 1999; and his PhD in civil engineering from the Curtin University of Technology at Perth, Perth, Australia, in 2009. He is a chartered professional engineer in Australia.

Robert W. Barnes is the James J. Mallett Associate Professor of Civil Engineering at Auburn University, Auburn, AL, where he has been a faculty member for 10 years.

Barnes is Secretary of Joint ACI-ASCE Committee 445, Shear and

Award Recipient Biographies

Torsion, and a member of ACI Committee 408, Development and Splicing of Deformed Bars, and Joint ACI-ASCE Committee 423, Prestressed Concrete. He received the ACI Structural Research Award in 2005 for a study of the influence of high-strength concrete on the transfer length of prestressing strands. He is a member of the American Society of Civil Engineers (ASCE).

His research interests include the behavior of prestressed structures constructed with self-consolidating concrete and the repair and strengthening of structural concrete using externally-bonded FRP reinforcement.

Barnes received his BCE from the Georgia Institute of Technology, Atlanta, GA, in 1993, and his MSE and PhD in civil engineering from the University of Texas at Austin, Austin, TX, in 1996 and 2000, respectively.

Oguzhan Bayrak is an Associate Professor in the Department of Civil, Architectural, and Environmental Engineering at the University of Texas at Austin, Austin, TX, where he also serves as Director of the Phil M. Ferguson Structural Engineering Laboratory. Bayrak holds the Charles Elmer Rowe Fellowship in the Cockrell School of Engineering at the University of Texas. He has been teaching at the University of Texas for 10 years.

Bayrak is a Past Chair of Joint ACI-ASCE Committee 441, Reinforced Concrete Columns. He is a member of ACI Committees E803, Faculty Network Coordinating Committee, and 341, Earthquake-Resistant Concrete Bridges, and Joint ACI-ASCE Committees 441, Reinforced Concrete Columns, and 445, Shear and Torsion. In 2005, Bayrak received the ACI Young Member Award for Professional Achievement. He is a member of the American Society of Civil Engineers (ASCE), the Precast/Prestressed Concrete Institute (PCI), and the American Segmental Bridge Institute (ASBI).

His research interests include the behavior, analysis, and design of reinforced and prestressed concrete structures, bridge engineering, evaluation of concrete structures in distress, use of fiber-reinforced polymers for structural repair, and earthquake engineering.

Bayrak received his BSc in civil engineering from the Middle East Technical University, Ankara, Turkey, in 1992, and his MASc and PhD in civil engineering from the University of Toronto, Toronto, ON, Canada, in 1995 and 1999, respectively.

Evan C. Bentz is an Associate Professor of civil engineering at the University of Toronto, Toronto, ON, Canada, where he has taught since 2000. He is currently developing practical methods for material nonlinear analysis of full buildings using a new finite element he has derived.

Bentz is a member of ACI Committee 365, Service Life Prediction, and

*Award Recipient Biographies*_____

Joint ACI-ASCE Committee 445, Shear and Torsion. He received the ACI Design Award in 2006 and developed the shear equations used in the Canadian concrete building code. He has written 47 technical papers, two of which have won international awards, and is the co-author of the popular computer programs Response-2000 and Life-365.

His research interests include the shear behavior of reinforced and prestressed members and durability modeling.

Bentz received his Bachelor of Applied Science degree from the University of Waterloo, Waterloo, ON, Canada, in 1994, and his PhD from the University of Toronto in 2000.

Young Soo Chung is a Professor in the Department of Civil Engineering and Environmental Engineering at Chung-Ang University, Seoul, Korea. He worked at Hyundai Construction Company for almost 10 years before starting further study at Columbia University in 1983.

He has been a member of ACI for almost 20 years. As President of the Korea Concrete Institute (KCI) in 2007-2008, he made efforts to enhance the relationship between ACI and KCI. He has contributed to the *ACI Structural Journal* as an author and a reviewer and was a Chairman of the Korea Concrete Structural Design Code. He has contributed to KCI as Chairman of several technical committees. He was a member of the Local Organizing Committee for the 2000 ACI/KCI International Conference held in Seoul, Korea. He was also a member of the American Society of Civil Engineers (ASCE). He received the Research Award from the Korean Federation of Science and Technology Societies (KOFST) in 1997 and 2007. Other awards include the KCI Distinguished Achievement Award in 2009 and the KCI Scientific Award in 2000. He has authored or co-authored over 300 technical papers and reports since 1990.

His research interests include seismic analysis and design of reinforced concrete structures, especially for reinforced concrete bridges, concrete structural design code, repair and retrofit of concrete structures, damage assessment, and reliability.

Chung received his BS in civil engineering from Seoul National University, Korea, in 1972, and his MS and PhD in civil engineering and engineering mechanics from Columbia University, New York, in 1985 and 1988, respectively.

Cesar A. Constantino is Director of Process and Quality in the Corporate Engineering Department at Titan America, Miami, FL. He has been active in the concrete industry for 15 years in the U.S. and Latin America.

He is a member of the ACI Certification Programs Committee; the ACI

Award Recipient Biographies

Board Advisory Committee on Sustainable Development; and ACI Committees 130, Sustainability of Concrete; 228, Nondestructive Testing of Concrete; 308, Curing Concrete; and 318-0S, Spanish Translation. Constantino is a Certification Committee Member for the Panama Sponsoring Group, a founding member of the ACI Panama Chapter, and a past member of the former IC Subcommittee on Membership. He is a member of ASTM International, among other national and international institutes and associations.

His research interests include innovations in cement process improvements and concrete use in sustainable applications.

Constantino received his BS in civil engineering, his MS in engineering, and his PhD in construction materials from the University of Texas at Austin, Austin, TX, in 1991, 1993, and 1998, respectively. He is a licensed professional engineer in Panama.

Juan Pablo Covarrubias is a Partner of Litoral Ingenieria Limited, a consulting company, and TCPavements Limited, a patent management company. He was a Professor at the Catholic University of Chile for 20 years and the President and CEO of the Chilean Cement and Concrete Institute (ICH) for 15 years.

He was a member of the ACI Board of Direction from 2002 to 2005 and a member of the International Committee, the Marketing Committee, the Publications Committee, and ACI Committees 301, Specifications for Concrete; 318-A, General, Concrete, and Construction; 318-SC, Steering Committee; 318-WA, International Workshop; 318-0S, Spanish Translation; 325, Concrete Pavements; C610, Field Technician Certification; and C630, Construction Inspector Certification. He is also a member of the Transportation Research Board (TRB).

Covarrubias is the creator of the construction exhibition for innovation at the Expo Hormigon in Chile that disseminates technical knowledge with life-size construction. He was the Team Leader for the Rigid Pavements Performance Models for HDM4 for the World Bank and a member of the Steering Committee of the International Study of Highway Development and Management (ISOHDM) for the World Road Association-PIARC. He has been a consultant for the World Bank in concrete pavement construction in India. He has authored or co-authored more than 20 technical papers and reports.

His research interests include materials, concrete construction technology, design, and construction of concrete pavements. He has made important contributions to the Chilean concrete industry in education, construction, and pavement design. He developed and is owner of a worldwide patent

*Award Recipient Biographies*_____

on a new design method for concrete pavements that reduces thickness with improved sustainability.

Covarrubias received his BS in civil engineering from the Catholic University of Chile in 1975, and his MS and PhD in transportation engineering from the University of Birmingham, Birmingham, UK, in 1977 and 1987, respectively. He was awarded the Janusz Kolbuszewski Award given by The Institution of Civil Engineers—Midlands Association and Management Group for the best student in the PhD program.

Russell L. Hill is the Vice President of Technology Development for Boral Industries, where he is responsible for research and development for construction materials and building products.

He is a member of ACI Committee 201, Durability, which he also chaired for 6 years, and was the Secretary for 6 years prior to that. He is also a member of ACI Committee 232, Fly Ash and Natural Pozzolans in Concrete, and is a former Task Group Chair of ACI 232.2R. He is a past member of ACI Committee 234, Silica Fume in Concrete. Currently, he is a member of ASTM Committee C09, Concrete and Concrete Aggregates.

His research interests include fly ash use for producing durable and sustainable concrete and building products. Specific areas investigated include concrete mixture designs incorporating supplementary cementitious materials, fly ash carbon and concrete air entrainment, chemical admixture development, and mitigation methods for alkali-silica reactivity and sulfate attack.

Hill received his BS from East Texas State University, Commerce, TX, in 1985. After working in the industry for a few years, he continued his education, receiving a PhD in analytical chemistry with a material science emphasis from the University of North Texas, Denton, TX, in 1992.

Marc Jolin is an Associate Professor in the Department of Civil Engineering at Laval University, Quebec City, QC, Canada. He is the Chair of ACI Committee C660, Shotcrete Nozzleman Certification, and Secretary of ACI Committee 506, Shotcreting. He is also a member of the ACI Chapter Activities Committee and a past member of the ACI Certification Programs Committee. He received the ACI Young Member Award for Professional Achievement in 2009. In 1994, he was awarded the W.R. Grace Fellowship Award in support of his graduate studies.

An active member of the Research Center on Concrete Infrastructures (CRIB), his research interests include shotcrete and the service life of concrete structures.

Jolin received his bachelor's degree in civil engineering in 1994; his

Award Recipient Biographies

MSc from Laval University in 1996; and his PhD from the University of British Columbia, Vancouver, BC, Canada in 1999.

Jose Daniel Damazo-Juarez is the General Director of the Mexican Cement and Concrete Institute, Mexico City, Mexico. He is also a Professor in the Department of Civil Engineering at the Autonomous University of Puebla, Puebla City, Mexico. He acts as a consultant in many important Mexican projects. He has been involved in developing the Studies Program for Concrete Technology in several universities and technological colleges in Mexico.

Damazo-Juarez is a member of ACI Committees 311, Inspection of Concrete; 318-0S, Spanish Translation; and C630, Construction Inspector Certification. He has published over 20 articles about pozzolans, durability, concrete blocks, nondestructive testing, and concrete pavements.

His research interests include new products; research and application of high-performance concretes; durability aspects such as alkali-aggregate reaction, sulfate attack, chlorides attack, marine environment, and acid resistance; nondestructive testing; and supervising concrete projects. He has developed projects focusing on the study and proper use of natural pozzolans, fly ash, slag, and silica fume as cementitious materials to enhance concrete durability.

Damazo-Juarez received his BS in civil engineering from Autonomous University of Puebla, Puebla City, Mexico, in 1976 and his MS in civil engineering from Purdue University, West Lafayette, IN, in 1982.

Dominic J. Kelly is an Associate Principal with Simpson Gumpertz & Heger Inc., Waltham, MA. He has over 20 years of experience designing, strengthening, and investigating building and nonbuilding structures.

He is a member of ACI Committees 318, Structural Concrete Building Code; 318-E, Shear and Torsion; 318-H, Seismic Provisions; 369, Seismic Repair and Rehabilitation; and the Faculty Network Coordinating Committee. He serves on the Task Committee on Seismic Provisions for ASCE/SEI 7, Minimum Design Loads for Buildings and Other Structures. He is a member of the American Society of Civil Engineers (ASCE), the Post-Tensioning Institute (PTI), and the Earthquake Engineering Research Institute (EERI).

Kelly received his BS in civil engineering from the University of Virginia, Charlottesville, VA, in 1984, and his MS in civil engineering from the University of Texas at Austin, Austin, TX, in 1986. He is a licensed professional or structural engineer in 17 states.

Award Recipient Biographies

Kimberly E. Kurtis is an Associate Professor in the School of Civil and Environmental Engineering at Georgia Institute of Technology, Atlanta, GA, where she joined the faculty in January 1999. Her innovative research on multi-scale structures and the performance of cement-based materials has resulted in more than 100 technical publications and two patents.

Kurtis is Chair of ACI Committee 236, Material Science of Concrete, and a member of the Educational Activities Committee and ACI Committees 201, Durability of Concrete; 231, Properties of Concrete at Early Ages; E802, Teaching Methods and Educational Materials; and the ACI Young Member Professional Achievement Award Committee. She received the ACI Walter P. Moore, Jr. Faculty Achievement Award in 2005. Kurtis is a member of the Transportation Research Board (TRB) Committee AFN30, Durability of Concrete; ASTM Committee C09, Concrete and Concrete Aggregates; and the American Ceramic Society (ACerS) Cements Division, where she recently served as Chair. She has served as Associate Editor of the *ASCE Journal of Materials in Civil Engineering* and is an Editorial Board member of *Cement and Concrete Composites*.

Kurtis received her BSE in civil engineering from Tulane University, New Orleans, LA, in 1994 and her MS and PhD in civil engineering from the University of California at Berkeley, CA, in 1995 and 1998, respectively.

Laura N. Lowes is an Associate Professor in the Department of Civil and Environmental Engineering at the University of Washington, Seattle, WA. She is a current member and former Co-Chair of Joint ACI-ASCE Committee 447, Finite Element Analysis of Reinforced Concrete Structures, where she organized multiple technical sessions addressing the state-of-the-art in finite element analysis (FEA) of concrete structures and the application of FEA in design, as well as editing SP-237. She is a member of ACI Committee 369, Seismic Repair and Rehabilitation, and Joint ACI-ASCE Committees 445, Shear and Torsion, and 445-A, Strut and Tie. She is also a member of the American Society of Civil Engineers (ASCE), the ASCE Methods of Analysis Committee, and an Associate Editor of the *ASCE Journal of Structural Engineering*. She was awarded the George Nassar Award in 2005 by the Precast/Prestressed Concrete Institute (PCI) for her work addressing analysis of precast, prestressed double-tees and was a co-author on the 2007 *Spectra* paper updating the ASCE/SEI 41 Concrete Provisions, which won the Earthquake Engineering Research Institute's (EERI's) Outstanding Earthquake Spectra Paper Award in 2007.

Her research interests include nonlinear analysis and performance-based seismic design of concrete structures including developing numerical

Award Recipient Biographies

models for building joints and performance-based design tools for bridge columns and building frames.

Lowes received her BS in civil engineering from the University of Washington in 1992, and her MS and PhD in civil engineering from the University of California at Berkeley, Berkeley, CA, in 1993 and 1999, respectively.

Paul F. Mlakar is the Senior Research Scientist for Weapons Effects and Structural Dynamics at the U.S. Army Engineer Research and Development Center, Vicksburg, MS. His professional career includes 43 years of service in government, academia, and the private sector.

Mlakar is a member of ACI Committees 123, Research and Current Developments; 318, Structural Concrete Building Code; 370, Short Duration Dynamic and Vibratory Load Effects; 440, Fiber Reinforced Polymer Reinforcement; and the Concrete Research Council. He is also a Fellow of the American Society of Civil Engineers (ASCE) and a past member of ASTM International. He has published 19 refereed journal articles, four book chapters, 44 reviewed presentations to conferences, and 94 technical reports.

His research interests include the responses of structures to extreme loads.

Mlakar received his BS from the United States Military Academy, West Point, NY, in 1966, and his MS and PhD in engineering science from Purdue University, West Lafayette, IN, in 1968 and 1975, respectively. He is a licensed professional engineer in Mississippi.

John W. Nehasil is the ACI Managing Director of Certification and Chapters. He has been employed by ACI for 32 years, including over 3 years in the Editorial Department and 20 years in the Certification Department. As an ACI Managing Director, he serves as senior staff liaison with certification committees and is responsible for coordinating the maintenance of existing certification programs, including technical updating, marketing, promotion, and delivery. He is also responsible for overseeing the design, development, and implementation of new certification programs. Under Nehasil's direction, the number of certification programs offered by ACI has increased from nine to the current number of 17; exam activity has increased from 11,000 to over 28,000 exams annually; and programs are now offered in three languages. He has recently assumed the responsibility of ACI chapter operation oversight and supervises the staff liaisons to the Chapter Activities Committee, Responsibility in Concrete Construction Committee, and Hot Topic Committee.

Award Recipient Biographies

Nehasil has completed the 4-year association training program offered by the Institute for Organizational Management and is working toward his designation as a Certified Association Executive (CAE) through the American Society of Association Executives (ASAE).

Lawrence C. Novak is the Director of Engineered Buildings for the Portland Cement Association (PCA), Skokie, IL. He has 25 years of experience as a structural engineer on sustainable high-rise, mid-rise, and special-use structures throughout the world, including seismic regions. Most recently as an Associate Partner with Skidmore, Owings & Merrill LLP, he served as the Senior Structural Engineer for the design of the Burj Khalifa Tower (formerly known as the Burj Dubai Tower). Soaring to over a half mile high (828 m [2717 ft]), the Burj Khalifa Tower is the world's tallest man-made structure.

Novak serves on several technical structural committees and is an active ACI member. He is a member of ACI Committees 130, Sustainability of Concrete; 130-A, Materials; 130-F, Social Issues; 130-G, Education and Certification; 209, Creep and Shrinkage in Concrete; 318-E, Shear and Torsion; and Joint ACI-ASCE Committees 445, Shear and Torsion, and 445-A, Strut and Tie. He was a member of the ACI Design Award Committee. He is a member of the American Society of Civil Engineers (ASCE), and he has served on the Board of Directors for engineering organizations, including the Structural Engineers Association of Illinois, the Illinois Engineering Hall of Fame, and the Tilt-Up Concrete Association (TCA). He is a co-recipient of the Structural Engineers Association of Illinois' Meritorious Publication Award for 2001, 2008, and 2009, and the UK's Oscar Faber Award in 2002. He has co-authored numerous papers on structural engineering.

Novak received his BS and MS in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1985 and 1986, respectively. In addition to being a licensed and board-certified structural engineer, he is a LEED Accredited Professional, a certified scaffolding operator/erector, and a certified structural peer reviewer.

Gianfranco Ottazzi is a Principal Professor in the Engineering Department at the Pontificia Universidad Católica del Perú and has served as Head of the Engineering Department and Academic Director of Economy.

Ottazzi served as ACI Peru Chapter Secretary from 1989 to 1990, as Vice President from 1991 to 1993 and 2005 to 2007, and as Director from 2003 to 2005. He has authored and co-authored numerous technical papers and reports in relation to seismic analysis and design of low-cost

Award Recipient Biographies

earth houses (adobe) as well as reinforced concrete buildings. He was one of the authors of the draft document that served as a basis for the 1989 Reinforced Concrete Peruvian Code and today he serves as President of the technical committee in charge of the elaboration of the new Reinforced Concrete Peruvian Code, approved in May 2009.

His research interests include seismic performance and design of low-cost concrete buildings as well as the development of software for the analysis and design of reinforced concrete elements.

Ottazzi received his civil engineering degree and his master's degree in civil engineering from the Pontificia Universidad Católica del Perú in 1979 and 2004, respectively. He is a licensed professional engineer in the College of Engineers of Peru with more than 30 years of experience in the design of concrete structures.

Long Phan is a Research Structural Engineer in the Building and Fire Research Laboratory of the National Institute of Standards and Technology (NIST) in Gaithersburg, MD. He is also an adjunct Professor in the Civil Engineering Department of the Catholic University of America in Washington, DC.

Phan is a Past Chair of Joint ACI-TMS Committee 216, Fire Resistance and Fire Protection of Structures. He received the ACI Wason Medal for Materials Research in 2004. He is also a member of the American Society of Civil Engineers (ASCE) and currently serves as Chair of the ASCE Fire Protection technical committee and is a voting member of ASCE/SFPE Standard Committee 29, Standards Calculation Methods for Structural Fire Protection. He has conducted research on a wide range of topics and has authored or co-authored more than 80 technical papers and reports.

His research interests include the effects of elevated temperature exposure on high-performance, high-strength concrete; structural design for fire safety; and methodology for estimation of risk due to the combined effect of hurricane-induced hazards, including hurricane wind, storm surge, and waves.

Phan received his MS and PhD in civil engineering from Washington University, St. Louis, MO, in 1982 and 1988, respectively. He is a licensed professional engineer in Virginia.

José Ignacio Restrepo has been a Professor of structural engineering at the University of California-San Diego, San Diego, CA, since 2001. He is also an adjunct faculty member at the International School for the Reduction of Seismic Risk at the University of Pavia, Pavia, Italy.

Restrepo is a member of Joint ACI-ASCE Committee 550, Precast

*Award Recipient Biographies*_____

Concrete Structures. He received the ACI Chester Paul Siess Award for Excellence in Structural Research in 2006. He is a member of the American Society of Civil Engineers (ASCE) and the Precast/Prestressed Concrete Institute (PCI).

His research interests include earthquake engineering and structural dynamics, with particular emphasis on the seismic design of reinforced and precast prestressed bridges, port structures, and buildings.

Restrepo received his civil engineering degree from the University of Medellin, Medellin, Colombia, in 1983, and his PhD in civil engineering from the University of Canterbury, Christchurch, New Zealand, in 1993.

David Rogowsky is President of Rogowsky Engineering Ltd. in Edmonton, AB, Canada, a firm that focuses on the assessment and rehabilitation of existing structures. A structural engineer with 30-plus years of experience, he has practiced in Canada, the U.S., and Europe. From 1993 to 2003, he was a Professor of structural engineering at the University of Alberta, Edmonton. Prior to forming his own firm in 2009, he was employed at VSL, as well as AECOM and its predecessors.

He is Chair of ACI Committee 318C, Safety, Serviceability, and Analysis, and a member of ACI Committees 318, Structural Concrete Building Code, and 350, Environmental Engineering Concrete Structures. He is a past member of Joint ACI-ASCE Committees 421, Design of Reinforced Concrete Slabs; 423, Prestressed Concrete; and 445, Shear and Torsion. Rogowsky was a co-recipient of the ACI Raymond C. Reese Structural Research Award in 1988 and the ASCE T.Y. Lin Award in 2001.

His research interests include prestressed concrete, liquid retaining structures, and the assessment and rehabilitation of existing structures.

Rogowsky received his Diploma of Technology (Dipl T) in structural technology from Red River College, Winnipeg, MB, Canada, in 1974; his BSc in civil engineering from the University of Manitoba, Winnipeg, MB, Canada, in 1978; and his MSc and PhD in civil engineering from the University of Alberta in 1980 and 1983, respectively. He is a licensed professional engineer in Alberta, Canada.

Harry C. Roof is employed at Boral Material Technologies, Inc., in Colorado, where he has held positions of Vice President Sales Manager, Rocky Mountain Region, and Utility Relations and Operations Manager.

He served as President of the ACI Arizona and Rocky Mountain Chapters and has participated with chapter committees in a number of ACI national conventions. He is a past member of ACI Committees 229, Controlled Low-Strength Materials; 230, Soil Cement; and 232, Fly Ash and Natural

Award Recipient Biographies

Pozzolans in Concrete. He was a finalist for the Boral Magna Carta Award in Innovation. He has served as Chairman of the American Coal Ash Association (ACAA) and has maintained an active role in the association's committees. Roof has served on the Board for the American Concrete Paving Association (ACPA) Colorado/Wyoming Chapter and as Vice Chairman of the Western Region Ash Group and Secretary of the Texas Coal Ash Utilization Group. He has authored a number of papers and has done a number of national and international presentations on the use of coal combustion products.

David Rothstein is a concrete Petrographer and the Principal of DRP Consulting, Inc., Boulder, CO. For the past 13 years, he has engaged in hundreds of investigations on the performance and durability of concrete and other cement-based construction materials and natural rock products.

He is a member of ACI Committees 201, Durability of Concrete; 221, Aggregates; 236, Material Science of Concrete; and 524, Plastering. He is a Past President of the ACI Rocky Mountain Chapter and was a Co-Chair of the ACI Fall 2006 Convention in Denver, CO. He is also a member of ASTM International. He is an author and co-author of numerous research papers and is a speaker at World of Concrete.

Rothstein received his BS in geology from the University of Wisconsin, Madison, WI, in 1985; his certificate in environmental studies from the University of Wisconsin, Madison, in 1986; his MS in geology from Northern Arizona University, Flagstaff, AZ, in 1990; and his PhD in geology from the University of California-Los Angeles, Los Angeles, CA, in 1997. His geological research focused on mass and heat transfer processes in the earth's crust. He was a Post-Doctoral Research Fellow in the Department of Civil Engineering at Northwestern University, Evanston, IL, from 1999 to 2001, working on the durability, chemistry, and microstructure of cement-based materials. He is a licensed professional geologist in California and Illinois.

Larbi Sennour is Executive Vice President of The Consulting Engineers Group, San Antonio, TX, and President of its international operations.

He is Chair of ACI Subcommittee 314C, Simplified Design Buildings—Precast Prestressed; Secretary of Joint ACI-ASCE Committee 550, Precast Concrete Structures; and a member of ACI Committees 301F, Specifications—Precast Concrete Panels; 423, Prestressed Concrete; and 533, Precast Panels. He is a Past Vice President of the ACI San Antonio Chapter. He is Vice Chair of the Precast/Prestressed Concrete Institute (PCI) Technical Activities Council and a Fellow of PCI. He has authored

Award Recipient Biographies

and co-authored several technical papers and reports.

His research interests include the design of precast, prestressed concrete structures and the use of carbon fiber-reinforced polymers (CFRP) in concrete.

Sennour received his BS in civil engineering from the Ecole Polytechnique d'Alger, Algeria, in 1985 and his MS and PhD in civil engineering from the University of Texas at Austin, Austin, TX, in 1989 and 1994, respectively. He is a licensed professional and structural engineer in 29 states and the District of Columbia.

John F. Silva is Director of Codes and Standards for Hilti North America, working from his home in San Rafael, CA. He practiced in San Francisco, CA, for a dozen years before taking a position with Hilti Corporate Research in Europe in 1994. In 1998, he returned to the U.S. and has continued to fill a variety of research and external technical roles for Hilti, a global leader of products for professionals in the construction and building maintenance industries.

Silva is a member of ACI Committees 318B, Reinforcement and Development; 349, Concrete Nuclear Structures; 355, Anchorage to Concrete; and Joint ACI-ASCE Committee 408, Development and Splicing of Deformed Bars. He is also a member of the American Society of Civil Engineers (ASCE), where he serves on the seismic subcommittee of ASCE 7, and ASTM International. He chaired a session on post-installed reinforcing bar at the ACI Spring 2008 Convention and was a featured speaker on this subject at the ACI Spring 2007 Convention in Atlanta, GA. He has authored numerous papers on anchorage to concrete and seismic design of anchors.

His research interests include seismic design, seismic retrofit, and anchorage to concrete in all its forms.

Silva received his BS in architectural engineering from California Polytechnic State University at San Luis Obispo, San Luis Obispo, CA, in 1980, and his MS in structures from the University of California-Berkeley, Berkeley, CA, in 1982. He subsequently spent 1-1/2 years in a research capacity at the University of Stuttgart's Institute for Building Materials, Stuttgart, Germany.

He has been a licensed structural engineer in California since 1988.

Sri Sritharan is the Wilson Engineering Associate Professor and Associate Chair of the Department of Civil, Construction, and Environmental Engineering at Iowa State University, Ames, IA.

He is Chair of ACI Committee 341, Earthquake-Resistant Concrete

Award Recipient Biographies

Bridges; Past Chair of ACI Subcommittee 341C, Earthquake Retrofit of Bridges; and a member of ACI Committee E803, Faculty Network Coordinating Committee; and Joint ACI-ASCE Committees 445, Shear and Torsion; and 447, Finite Element Analysis of Reinforced Concrete Structures. He is also a member of the American Society of Civil Engineers (ASCE), the Precast/Prestressed Concrete Institute (PCI), the Earthquake Engineering Research Institute (EERI), and the New Zealand Society for Earthquake Engineering. He has won several national awards, including the IT Best Innovation Award from the Network for Earthquake Engineering Simulation (NEES) in 2008, the PCI Young Educator Achievement Award in 2003, the Harry H. Edwards Industry Advancement Award in 2000, and the Martin P. Korn Award in 2000. He has authored or co-authored over 100 journal and technical conference papers.

His research interests include education in seismic and wind-resistant design, precast structural systems, ultra-high-performance concrete, and soil-foundation-structure interaction. His research has attracted funding from diverse agencies, including the departments of transportation in Iowa, Alaska, and California; the U.S. Department of Agriculture (USDA); the National Science Foundation (NSF); and the National Oceanic and Atmospheric Administration (NOAA).

Sritharan received his BSc in civil engineering from the University of Peradeniya, Peradeniya, Sri Lanka, in 1985; his ME in civil engineering from the University of Auckland, Auckland, New Zealand, in 1989; and his PhD in structural engineering from the University of California at San Diego, La Jolla, CA, in 1998.

Michael S. Stenko has served as the President of Transpo Industries Inc., New Rochelle, NY, for the past 15 years.

He is Chair of ACI Subcommittee 548A, Polymer Overlays; Past Chair of ACI Committee 548, Polymer and Adhesives for Concrete; and a member of the ACI Concrete Research Council. He is also a member of the American Society of Civil Engineers (ASCE) and ASTM International.

His research interests include the development and use of polymers and polymer concrete for bridge preservation and construction.

Stenko received his BS in civil engineering from Lehigh University, Bethlehem, PA, in 1975.

Kolluru V.L. Subramaniam is an Associate Professor of civil engineering and the Catell Fellow, Grove School of Engineering, City College of New York, New York, NY.

He is a Past Chair of ACI Committee 215, Fatigue of Concrete, and a

Award Recipient Biographies

member of ACI Committees 123, Research and Current Developments; 228, Nondestructive Testing of Concrete; and Joint ACI-ASCE Committee 446, Fracture Mechanics of Concrete. He is an associate member of the American Society of Civil Engineers (ASCE). He received the ACI James Instruments Student Award for Research on NDT of Concrete in 1999. He has authored over 50 technical papers, reports, and monographs.

His research interests include fatigue and fracture of concrete and bonded FRP strengthening systems, and he has been involved in developing nondestructive testing procedures for concrete.

Subramaniam received his BTech in civil engineering from the Indian Institute of Technology, Delhi, India, in 1993; his MS in civil engineering from the University of Toledo, Toledo, OH, in 1995; and his PhD in civil engineering from Northwestern University, Evanston, IL, in 1999.

Thomas John Van Dam joined Applied Pavement Technology (APTech), Inc., Urbana, IL, in May 2008. As Program Director, he oversees the Materials and Sustainability Group and is leading projects funded by the Innovative Pavement Research Foundation (IPRF), Federal Highway Administration, Michigan Department of Transportation (DOT), South Dakota DOT, Illinois DOT, Colorado DOT, and the National Center for Concrete Pavement Technology. He has over 25 years of engineering experience in pavement design, evaluation, rehabilitation, and materials assessment. From 1995 to 2008, he was an Associate Professor at Michigan Technological University (Michigan Tech), Houghton, MI, where he focused on construction materials and pavement evaluation, design, and performance. At Michigan Tech, he was the Director of the U.S. DOT University Transportation Center for Materials in Sustainable Transportation Infrastructure and Director of the Michigan DOT Transportation Materials Research Center.

Van Dam is Chair of ACI Subcommittee 201C, Condition Survey; Co-Chair of ACI Subcommittee 130A, Materials in Sustainable Concrete; Secretary of ACI Committee 201, Durability of Concrete; and a member of ACI Committees 130, Sustainability of Concrete, and 232, Fly Ash and Natural Pozzolans in Concrete. He is also a member of the ACI Wason Medal for Materials Research Award Committee and the American Society of Civil Engineers (ASCE). He has published more than 70 technical articles and reports on pavements and construction materials.

His research interests include the fundamental properties and characteristics of concrete materials, concrete durability, and infrastructure sustainability.

Van Dam received his BS, MS, and PhD in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1984, 1986, and

Award Recipient Biographies

1995, respectively. He is a licensed professional engineer in Illinois and Michigan and a LEED Accredited Professional.

Arthur T. Weiss Jr. is the Director of Technical Services for VersaFlex, Inc., Kansas City, KS, a manufacturer of polyurea and other polymer systems. He has been involved in and supervised the installation of, as well as written specifications and procedures manuals for, most types of special coatings, expansion control, and corrosion control systems. Weiss has been a consultant, independent agent, and a representative to the construction industry, specializing in structural concrete, sealing of structural and architectural concrete elements, special flowing, bridge bearings, bridge expansion devices, structural grouting of machinery and heavy equipment, resinous seamless containment, and corrosion-resistant coatings.

He is a Past Chair and a member of the ACI TAC Specifications Committee and ACI Committee 515, Protective Systems for Concrete, and a member of ACI Committee 301, Specifications for Concrete. He is a past member of (discharged) ACI Committees 504, Joint Sealing and Bearing Systems, and 554, Bearing Systems. Weiss has written or helped to write many of ACI's special systems standardized specifications. He is a past member of the Construction Specifications Institute (CSI), the International Concrete Repair Institute (ICRI), the Steel Structure Painting Council (SSPC), and the Sealant Waterproofing and Restoration Institute (SWRI).

His research interests include concrete construction, repair, and restoration.

Weiss received his BA from the University of Colorado in 1975. He has been a Certified Construction Specifier since 1987.

Jason Weiss is a Professor of civil engineering and Director of the Pankow Materials Laboratories at Purdue University, West Lafayette, IN. He is also the Associate Director of the Center for Advanced Cement-Based Materials (ACBM).

Weiss is a member of ACI Committees 123, Research and Current Developments; 209, Creep and Shrinkage in Concrete; 231, Properties of Concrete at Early Ages; 236, Material Science of Concrete; 365, Service Life Prediction; 522, Pervious Concrete; and Joint ACI-ASCE Committee 446, Fracture Mechanics of Concrete. He is also a member of the American Society of Civil Engineers (ASCE), ASTM International, the Transportation Research Board (TRB), and RILEM. He received the ACI Walter P. Moore, Jr. Faculty Achievement Award in 2004, the ACI Young Member Award for Professional Achievement in 2007, and the

Award Recipient Biographies

ACI Wason Medal for Materials Research in 2009.

Weiss received his BAE from Pennsylvania State University, University Park, PA, in 1995 and his MS and PhD in civil engineering from Northwestern University, Evanston, IL, in 1997 and 1999, respectively.

Yan Xiao is a Professor in the Department of Civil and Environmental Engineering at the University of Southern California (USC), Los Angeles, CA. He is also the Cheung Kong Scholar at the College of Civil Engineering, Hunan University, Changsha, Hunan, China. He is the founding Director of the China Ministry of Education Key Laboratory of Building Safety and Energy Efficiency.

He is a member of ACI Committee 335, Composite and Hybrid Structures, and Joint ACI-ASCE Committee 441, Reinforced Concrete Columns. Xiao is Associate Editor of the American Society of Civil Engineers (ASCE) *Journal of Structural Engineering*. He is on the editorial boards of the *China Civil Engineering Journal* and the *Journal of Building Structures*. He has authored or co-authored over 200 technical papers and reports.

His research interests include earthquake-resistant design and retrofit of structures, structural concrete, steel, hybrid or composite systems, and structural materials.

Xiao received his BS in structural engineering from Tianjin University, Tianjin, China, in 1982, and his MS and DEng in structural engineering from Kyushu University, Fukuoka City, Fukuoka, Japan, in 1996 and 1989, respectively. He is a licensed professional engineer in California.

Kari Yuers has been Chief Executive Officer and President of the Kryton Group of Companies, based out of Vancouver, BC, Canada, since 2001 and has focused on developing award-winning products that create dry and durable concrete structures through integral crystalline waterproofing. She joined Kryton in 1991 as Vice President, Technical Services.

She is Chair of ACI's Convention Committee and a member of the ACI Educational Activities Committee, International Committee, Student and Young Professional Activities Committee, Strategic Plan and Task Group, and ACI Committees 212, Chemical Admixtures; 362, Parking Structures; E701, Materials for Concrete Construction; and E702, Designing Concrete Structures. Yuers served on the Construction Liaison Committee, and she co-chaired the ACI Spring 2003 Convention in Vancouver.

Her research interests include concrete admixtures related to permeability, durability and sustainability of concrete structures, and materials for concrete repair and protection.

Yuers attended the University of British Columbia in Vancouver.

Award Recipient Biographies

ARTHUR R. ANDERSON AWARD

Ward R. Malisch is the Technical Director for the American Society of Concrete Construction (ASCC), headquartered in St. Louis, MO. He assumed that position in January 2008 after retiring as Senior Managing Director of ACI. Prior to that, he taught at three universities and received six outstanding teaching awards before joining the World of Concrete staff and later being named Editor of *Concrete Construction* magazine. Other positions held include ACI Director of Engineering, Quality Control Engineer for Daniel International Corporation, and Director of Information Services for the Portland Cement Association (PCA).

An ACI Fellow since 1986, he is a member of the ACI Hot Topic Committee and a past member of the ACI Financial Advisory Committee; Construction Liaison Committee; and ACI Committees 302, Construction of Concrete Floors, and E701, Materials for Concrete Construction. He was a charter member of the ACI Missouri Chapter and served as Secretary-Treasurer of the chapter for 5 years. Malisch received the Arthur Y. Moy Award from the ACI Greater Michigan Chapter in 2004. Other awards include the 2006 Silver Hard Hat Award from the Construction Writers Association and the 2008 Richard D. Gaynor Award from the National Ready Mixed Concrete Association (NRMCA). He is a life member of the American Society of Civil Engineers (ASCE) and a member of ASTM International. He has authored or co-authored more than 100 articles and publications on topics related to concrete construction, including ACI E1-78, "Aggregates for Concrete"; 31 ASCC position statements; and the book *Tolerances for Cast-in-Place Concrete Buildings*, published by ASCC.

His research interests include subjects that impact concrete contractors: specifications, building tolerances, concrete testing, and troubleshooting construction problems.

Malisch received his BS, MS, and PhD in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1961, 1963, and 1966, respectively. He is a licensed professional engineer in Missouri.

ROGER H. CORBETTA CONCRETE CONSTRUCTOR AWARD

Bruce A. Suprenant is President of Concrete Engineering Specialists, headquartered in Charlotte, NC. His career spans 15 years of teaching at Montana State University, the University of Wyoming, the University of South Florida, and the University of Colorado-Boulder and includes private practice experience at the Portland Cement Association (PCA) and Baker Concrete Construction.

An ACI Fellow since 1991, he is a member of ACI Committees 117,

*Award Recipient Biographies*_____

Tolerances; 301, Specifications for Concrete; and 302, Construction of Concrete Floors. He is a past member of many ACI committees. He is Chair of the American Society of Concrete Construction (ASCC) Technical Review Committee and helped develop the ASCC position statements. He is a member of the American Society of Civil Engineers (ASCE), the Precast/Prestressed Concrete Institute (PCI), ASTM International, and the Post-Tensioning Institute (PTI). He has authored or co-authored more than 100 technical papers on concrete construction and was the principal author funded cooperatively by the ACI Strategic Development Council (SDC) and ASCC to produce ACI 302.2R-06, "Guide for Concrete Slabs that Receive Moisture-Sensitive Flooring Materials." He also co-authored the ASCC book *Tolerances for Cast-in-Place Concrete Buildings* and drafted revisions for the craftsman workbook for the ACI certification of flatwork finishers.

Suprenant received his BS in construction from Bradley University; his MS in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL; and his PhD in civil engineering from Montana State University, Bozeman, MT, in 1974, 1975, and 1984, respectively. He is a licensed engineer in Colorado, Utah, California, and Florida.

JOE W. KELLY AWARD

Ken Bondy is a retired Consulting Structural Engineer in Los Angeles, CA. Prior to his retirement, he had been a specialist in the design and construction of post-tensioned concrete building structures for more than 46 years. For 16 years from the early 1980s through the late 1990s, Bondy regularly taught senior undergraduate courses in prestressed concrete design as a Lecturer and a part-time faculty member at the University of California, Los Angeles (UCLA).

An ACI Fellow, he served on the ACI Board of Direction. He is a member of the ACI Responsibility in Concrete Construction Committee; the Technical Activities Committee; and ACI Committees 314, Simplified Design of Concrete Buildings; 318, Structural Concrete Building Code; and 332, Residential Concrete Work; and Joint ACI-ASCE Committee 423, Prestressed Concrete. Bondy is President of the Post-Tensioning Institute (PTI); and in 2005, he was elected to the PTI Hall of Fame, "Legends of Post-Tensioning."

He has authored numerous peer-reviewed papers and articles addressing various aspects of design, construction, and responsibilities. He was also a regular speaker at the Professor's Seminar presented annually by the Portland Cement Association (PCA), addressing the teaching of post-tensioned concrete design.

Award Recipient Biographies

Bondy received his BS and MS in civil engineering from UCLA in 1963 and 1964, respectively. He is a licensed structural engineer in California and Nevada and is or has been licensed in Hawaii, Colorado, Texas, New Mexico, Minnesota, and the Territory of Guam.

HENRY L. KENNEDY AWARD

Jon B. Ardahl is a Concrete Consultant for Black and Veatch in Kansas City, MO, where he worked for 35 years before retiring. He is an international concrete, corrosion, and specification specialist.

An ACI Fellow and a member of ACI committees for over 28 years, he has served as an officer on many committees and subcommittees. He is a charter member of the ACI Missouri Chapter. He served on the Chapter's Board of Directors, as a Director, President from 1978 to 1979, Vice President, and Secretary-Treasurer from 1980 to 1991. He also served as the Co-Chair and Treasurer of the host convention committee for the ACI Fall 1983 Convention in Kansas City, MO. He is Chair of ACI Subcommittee 350-B, Durability, and Vice-Chair of ACI Committee 350, Environmental Engineering Concrete Structures. He was Chair of ACI Committee 350 during the development of the first environmental engineering concrete structures code and related documents and was Secretary and Chair of a Task Group of ACI Committee 301 when it was converted to the ACI specification format. He is a member of the ACI TAC Specifications Committee; ACI Committees 121, Quality Assurance Systems for Concrete; 201, Durability of Concrete; 301, Specifications for Concrete; 355, Anchorage to Concrete; 372, Circular Concrete Structures Prestressed by Wrapping with Wire or Strand; 506, Shotcreting; and 515, Protective Systems for Concrete, as well as over 15 subcommittees. He is a past member of ACI Committees E902, Certification (the original certification committee and helped set up the original subcommittee for shotcrete nozzlemen certification), and 344, Circular Prestressed Concrete Structures. He is the author of the original draft of the current ACI Specification Manual. He is a member of ASTM International and is a member of ASTM Committee C09. He is a member of NACE and the Society for Protective Coatings (SSPC) and has helped on some of their technical committees in the past.

Ardahl received his BS in architectural engineering and his MS in civil engineering from the University of Kansas, Lawrence, KS, in 1966 and 1973, respectively. He is a licensed professional engineer in Missouri and Kansas.

*Award Recipient Biographies*_____

ALFRED E. LINDAU AWARD

Ron Klemencic is President of Magnusson Klemencic Associates, Inc. (MKA), a structural and civil engineering firm located in Seattle, WA, with projects in 46 states and 44 countries. He has been with the firm for 17 years and a practicing engineer for 23 years.

An ACI Fellow, he serves on the ACI Board of Direction (2009-2012). He is a member of Innovation Task Group 5, Precast Shear Walls for High Seismic Applications, and ACI Committees 318, Structural Concrete Building Code, and 374, Performance-Based Seismic Design of Concrete Buildings. He is a past member of ACI Committees 318-D, Flexure and Axial Loads: Beams, Slabs, and Columns, and 318-H, Seismic Provisions. He is a Board Member of the Charles Pankow Foundation and was Chairman of the Council on Tall Buildings and Urban Habitat for 5 years. He is a member of the American Society of Civil Engineers (ASCE). In 2003, he received Purdue University's Civil Engineering Alumni Achievement Award. He is a co-author of PEER's "Guidelines for Performance-Based Seismic Design of Tall Buildings" and the Council on Tall Buildings and Urban Habitat's "Guidelines for Performance-Based Design of Tall Buildings," along with many other articles and presentations.

His research interests include complex high-rise and mixed-use projects; he has been involved in projects in 16 states and 17 countries. His designs cover all facility types and materials and incorporate the latest cutting-edge approaches. He has spent the last 14-plus years advocating the development and codification of performance-based seismic design (PBSD) of high-rise buildings, an effort involving coordination with hundreds of individuals from building departments, academia, A/E/C disciplines, and municipalities. He is also active in concrete systems development, including research and testing of concrete link beams, post-tensioned slab/core wall connections, and composite shear walls.

Klemencic received his BS in civil engineering from Purdue University, and his MS in structural engineering from the University of California, Berkeley, in 1985 and 1986, respectively.

HENRY C. TURNER MEDAL

The Concrete Reinforcing Steel Institute (CRSI) was organized in 1924 as a cooperative, nonprofit organization of producers and fabricators of reinforcing bars and accessories, together with persons or entities otherwise involved in reinforced concrete construction. Membership today also includes reinforcing steel placing contractors, concrete contractors, and others associated with the reinforced concrete industry. CRSI also

Award Recipient Biographies

has a Professional Membership for designers, specifiers, educators, and researchers.

CRSI includes a network of Region Managers across the U.S. and Western Canada that acts as a local resource for information and education about reinforced concrete for design professionals, contractors, construction managers, and universities. Through this local outreach effort, CRSI conducts hundreds of seminars and technical presentations each year for the design and construction community. CRSI members and staff also serve on a variety of ACI, ASTM International, and other industry committees. The CRSI Education and Research Foundation sponsors undergraduate scholarships and graduate research fellowships to advance the state of the art in reinforced concrete.

In 1928, ACI Committee E-1 and the CRSI Committee on Engineering Practice prepared the proposed standard “Standard Building Regulations for the Use of Reinforced Concrete.” This document was the precursor to the first ACI Building Code, “Building Regulations for Reinforced Concrete (ACI 501-36T).” CRSI’s publication “A Manual of Standard Practice for Detailing Reinforced Concrete Structures” was donated to ACI and formed the basis of the *ACI Detailing Manual*, which was first published in 1951.

CRSI’s publications include the *Manual of Standard Practice*, which presents industry practices for estimating, detailing, fabricating, and placing reinforcing bars for cast-in-place reinforced concrete construction, first published in 1927; *Design Handbook*, first published in 1952, a major design reference for reinforced concrete, supplying engineers with complete design information for columns, beams, joists, slabs, and retaining walls; and *Placing Reinforcing Bars*, first published in 1961 and presents recommended field procedures for reinforced concrete construction to ironworkers and inspectors.

CHARLES S. WHITNEY MEDAL

Baker Concrete Construction, Inc., is the nation’s leading concrete construction firm specializing in all types of cast-in-place concrete construction. Through 40 years of construction experience and over 9000 projects completed, Baker is qualified to handle any concrete construction project from commercial office buildings to heavy industrial power plants, including forming, reinforcing, placing and finishing of foundations, slabs, structures, or virtually any other concrete structure. Baker has mastered innumerable concrete complexities from massive industrial foundations to intricate architectural concrete walls and from working with high-tech mixture proportions to placing slabs under water.

*Award Recipient Biographies*_____

Baker was built by the hands, grit, and values of Dan Baker, the visionary leader who continues to guide and inspire the company today and who, in 1968, established the company as Baker Cement Contractors, Inc., headquartered in a small house in Oxford, OH. He had learned the cement finisher's trade under the guidance of his grandfather, Elmer Baker, who had been a cement and stone mason for 60 years. Elmer Baker's fundamental belief in quality service, a strong work ethic, passion, and common sense helped build the foundations of Baker's guiding principles that still endure among Baker coworkers.

Baker Concrete Construction quickly became known for hard work, customer satisfaction, quality, and the ability to meet schedules. Fueled by this reputation and an innate passion for building, it continued to grow and expand its reach and capabilities over the next four decades to become the industry leader it is today. Some recent notable projects include Lucas Oil Stadium, Cameron LNG Facility, W Resort and Residences, and Mixed Oxide Fuel Fabrication Facility. The company's driving vision is simple—to become the best company to work with and the best company to work for in the industry.

ACI CERTIFICATION AWARD

Vartan Babakhanian has served as Technical Services Manager for Hanson Pipe & Precast and Lehigh Hanson Aggregates South for the past 27 years. He worked for the National Supply Co. ARMCO, Inc., in Gainesville, TX, as an Associate Design Engineer for 2 years before joining Hanson PLC (formerly Gifford-Hill).

An ACI Fellow since 2004, he joined the ACI Northeast Texas Chapter in 1983 and served as President in 1998. Prior to that, he had been a chapter Director since 1989. In 2009, he became a distinguished member of the ACI Northeast Texas Chapter. He has been Chair of the Certification Committee in Northeast Texas for the last 18 years and a member for 28 years. He is also the Certification Chair and the Examiner for the local ACI Chapter for the concrete technicians program. In addition, he is a member of ACI Committees C610, Field Technician Certification; C620, Laboratory Technician Certification; C630, Construction Inspector Certification; and E801, Student Activities. In 1996, Babakhanian received the ACI Northeast Texas Chapter's Sophus Thompson Award for Significant Contributions in Concrete Technology. Babakhanian has taught the short course for the American Concrete Pipe Association (ACPA) and has been a Proctor for the National Institute for Certification in Engineering Technologies (NICET) for the last 12 years. He has also served on the Specification Committee for the Texas Aggregates & Concrete Association (TACA) for the last 20 years.

Award Recipient Biographies

His research interests include studying advanced properties of concrete, mixture design, and aggregate quality control; working with University of Texas at Arlington (UTA) faculty; and teaching engineering materials at UTA Arlington.

Babakhanian received his BS in civil engineering from the University of Texas at Arlington, Arlington, TX, in 1980, and became a Certified Concrete Technologist in 1984 through the National Ready Mixed Concrete Association (NRMCA) and the Precast/Prestressed Concrete Institute (PCI) LEVEL III certified. He is a licensed professional engineer in Texas.

ACI Past President **David Darwin** is the Deane E. Ackers Distinguished Professor of Civil, Environmental, and Architectural Engineering and Director of the Structural Engineering and Materials Laboratory at the University of Kansas, Lawrence, KS, where he has served on the faculty since 1974. Prior to joining the University of Kansas, Darwin was an officer in the U.S. Army Corps of Engineers.

A Fellow of the Institute and a member of ACI since 1967, Darwin is a member and Past Chair of the TAC Technology Transfer Committee; ACI Committee 224, Cracking; and Joint ACI-ASCE Committee 408, Development and Splicing of Deformed Bars. He is also Chair of ACI Subcommittee 130-F, Social Issues; a member of the ACI Financial Advisory Committee and ACI Committees 130, Sustainability of Concrete; 222, Corrosion of Metals in Concrete; ACI Subcommittee 318-B, Reinforcement and Development; and Joint ACI-ASCE Committees 445, Shear and Torsion; and 446, Fracture Mechanics. Darwin is a Past Chair of the Concrete Research Council and the Publications Committee and a past member of the ACI Technical Activities Committee; and Joint ACI-ASCE Committee 447, Finite Element Analysis of Reinforced Concrete Structures. He previously served on ConREF and the ACI Foundation Board of Trustees. He is a charter member and Past President of the ACI Kansas Chapter. Darwin received the ACI Delmar L. Bloem Distinguished Service Award in 1986, the ACI Arthur R. Anderson Award in 1992, the ACI Structural Research Award in 1996, and the ACI Joe W. Kelly Award in 2005. He is a member of the American Society of Civil Engineers (ASCE), ASTM International, and the Precast/Prestressed Concrete Institute (PCI).

Darwin received a BS in civil engineering in 1967 and an MS in structural engineering in 1968 from Cornell University, Ithaca, NY, and a PhD in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1974.

Award Recipient Biographies

Mario R. Diaz is a Civil Engineer for the U.S. Department of Energy at the Yucca Mountain Project in Las Vegas, NV. He has 45 years of experience in civil engineering. During his career, he has worked as a Civil Field Engineer, Civil Lead Engineer, Assistant Superintendent, Civil Superintendent, Principal Civil QA Engineer, QC Supervisor, and QA Lead Auditor.

He is a member of the ACI International Certification Committee and ACI Committees 301, Specifications for Concrete; 311, Inspection of Concrete; C601-B, Concrete Quality Technical Manager; C630, Construction Inspector Certification; and C631, Concrete Transportation Construction Inspector Certification. He is also a member of ASTM Committees C09, Concrete and Concrete Aggregates; D33, Protective Coating and Lining Work for Power Generation Facilities; and E36, Accreditation and Certification. He has initiated certification programs for concrete inspectors in several countries in Latin America. Furthermore, he has participated in the translation to Spanish of the technical documents required by the ACI certification program for concrete inspectors for the last 18 years. He has made technical presentations at several universities in Mexico and Chile and at some professional meetings and conventions.

His research interests include the construction of port facilities, hydro-electric dams, coal fire plants, and nuclear power plants (construction and retrofit); quality assurance engineering; and quality control.

He received his BS and MS in civil engineering from the Universidad Católica de Valparaíso, Chile, in 1962 and 1970, respectively. He is certified as a Level III Civil Construction Inspector (ACI/ASME).

DISTINGUISHED ACHIEVEMENT AWARD

The Illinois Ready Mixed Concrete Association (IRMCA) was incorporated in 1981, an outgrowth of the former Midwest Ready Mixed Concrete Association that had also included Indiana. IRMCA is located in Normal, IL, and includes within its membership ready mixed producers, material suppliers, contractors, and other related companies. Its mission is to be the voice for the ready mixed industry in Illinois, promote the use of quality concrete through innovative educational programs, and to accomplish goals as an organization that cannot be done individually.

IRMCA comprehensively addressed the safety concerns of members in the late 1990s with the publication of its manual "Hazard Specific Programs," which is widely recognized and used throughout the Midwest. IRMCA has produced a widely-used driver's manual and a safety video that addresses driver safety. Its environmental committee works with IL-EPA to format regulations that are fair to producers. IRMCA, through one of its

Award Recipient Biographies

members, challenged the Illinois Department of Revenue, the result of which was a taxing decision offering extensive fiduciary relief to Illinois producers. IRMCA lobbyists work in Springfield on behalf of regulations and bills favorable to concrete producers in Illinois and new product demonstrations are offered statewide as technology changes the market. IRMCA has spearheaded hundreds of promotion activities—the most recent being Concrete First, an undertaking in the greater Chicago area designed to increase the awareness and sale of concrete in that area.

IRMCA allies itself with organizations such as the National Ready Mixed Concrete Association (NRMCA), the Great Lakes Cement Promotion Association, the Portland Cement Association (PCA), the American Society of Civil Engineers (ASCE), and the Illinois Society of Professional Engineers and counts within its active membership several former Presidents of the ACI Illinois Chapter, as well as former winners of the chapter's Henry Crown Award.

ACI YOUNG MEMBER AWARD FOR PROFESSIONAL ACHIEVEMENT

Maria Juenger is an Associate Professor in the Department of Civil, Architectural, and Environmental Engineering at the University of Texas at Austin, Austin, TX, where she has been since 2002.

She is Secretary of ACI Committee 236, Material Science of Concrete, and a member of ACI Committees 201, Durability of Concrete; 231, Properties of Concrete at Early Ages; and E802, Teaching Methods and Educational Materials. She received the ACI Walter P. Moore, Jr. Faculty Achievement Award in 2009.

Her research interests include the chemistry and material science of cement and concrete. Her work investigates phase formation in cement clinker, cement hydration, chemical admixture mechanisms, microstructural development, and chemical deterioration of concrete. As she is interested in reducing the negative environmental impact of concrete, her research seeks to find creative means to improve production processes, promote recycling, and improve concrete durability.

Juenger received a BS in chemistry from Duke University, Durham, NC, and a PhD in materials science and engineering from Northwestern University, Evanston, IL, in 1994 and 1999, respectively.

Nakin Suksawang is an Assistant Professor in the Department of Civil and Environmental Engineering at Florida International University (FIU), Miami, FL, where he has been for 4 years. He is Secretary of ACI Committee 444, Experimental Analysis of Concrete Structures, and is a

Award Recipient Biographies

member of ACI Committees 209, Creep and Shrinkage in Concrete; 342, Evaluation of Concrete Bridges and Bridge Elements; and 348, Structural Safety. He is also a member of the American Society of Civil Engineers (ASCE). He has authored or co-authored over 30 technical papers and reports.

His research interests include high-performance/high-strength concrete, nanomechanical properties of concrete, and sustainable concrete construction.

Suksawang received his BS in civil engineering in 1999 and his MS and PhD in structural engineering in 2002 and 2006, respectively, from Rutgers, The State University of New Jersey.

Jennifer Tanner is an Associate Professor of civil and architectural engineering at the University of Wyoming, Laramie, WY.

She is Secretary of ACI Committee 523, Cellular Concrete, and a member of Joint ACI-ASCE-TMS Committee 530, Masonry Standards Joint Committee. She is a member of ASTM International. She has authored or co-authored 15 technical papers and reports.

Her research interests include large-scale testing, earthquake-resistant concrete and masonry buildings, fiber-reinforced polymer, and masonry.

Tanner received her BS in civil engineering from Oklahoma State University in 1995; her MS from the University of Costa Rica in 1998; and her PhD in structural engineering from the University of Texas at Austin, Austin, TX, in 2003.

WASON MEDAL FOR MOST MERITORIOUS PAPER

An ACI Fellow, **Gary J. Klein** is a Senior Principal and Executive Vice President of Wiss, Janney, Elstner Associates, Inc., in Northbrook, IL. For more than 30 years, he has studied and delivered solutions for buildings and bridges suffering from deterioration, distress, or failure. He has investigated numerous structural collapses, including the 1981 collapse of the skywalks in the Kansas City Hyatt Regency Hotel and the 1996 collapse of the KB Bridge in the Republic of Palau. He has also researched the behavior of precast spandrel beams and the volume change of precast buildings.

Klein is a member and Past Chair of ACI Committees 318-C, Safety, Serviceability, and Analysis, and 342, Evaluation of Concrete Bridges and Bridge Elements. He is a member of ACI Committee 318, Structural Concrete Building Code, and Joint ACI-ASCE Committees 445, Shear and Torsion, and 445-A, Strut-and-Tie Models. In 2007, he received the PCI Martin P. Kohn Award and the George D. Nassar Award for his work

Award Recipient Biographies

on precast spandrel beams. Several of his structural repair and rehabilitation projects have been recognized for structural engineering excellence. He has authored more than two dozen papers related to his structural investigation practice and research work. He is a member of the Precast/Prestressed Concrete Institute (PCI).

Klein received his BS and MS in civil engineering from the University of Illinois at Urbana-Champaign, Urbana, IL, in 1973 and 1975, respectively. He is a licensed structural engineer in Illinois and a licensed professional engineer in Illinois and several other states.

ACI CONSTRUCTION AWARD

Victor H. Villarreal has been the Manager of Technical Services for TXI Operations, LP, NorthTexas Ready Mix, Dallas, TX, for 10 years. He spent 13 years in research and development, marketing, and sales in the chemical admixtures industry, where he developed many products, including one of the first mid-range water-reducing admixtures in the U.S. He also spent 5 years as a Sales Manager developing the business in Mexico for an admixture company.

Villarreal is a member of the ACI Northeast Texas Chapter, serving as Chapter President for 2008 (and where he currently is an instructor for the chapter's short course, "Mix Designs") and was the Finance Chair for the ACI Fall 2001 Convention. He will serve as Convention Chair for the ACI Spring 2012 Convention to be held in Dallas, TX. He was the 2002 Specification Committee Chair for the Texas Concrete and Aggregate Association (TACA). Villarreal is a member of the American Society of Civil Engineers (ASCE); the International Concrete Repair Institute (ICRI); the Regional Hispanic Contractors Association, Dallas, TX; the National Ready Mixed Concrete Association (NRMCA); and a founding member of the Prescription to Performance (P2P) initiative.

Villarreal's research interests include internal curing, high-performance/high-strength concrete, and high-volume fly ash concrete.

He received his BS in civil engineering from the Universidad Autonoma de Nuevo Leon, Monterrey, Mexico, in 1986, and an MBA in corporate finance from the University of North Texas, Denton, TX, in 1994. He is a licensed professional engineer in Mexico.

WASON MEDAL FOR MATERIALS RESEARCH

An ACI Fellow since 2006, **Michael D. A. Thomas** is a Professor in the Department of Civil Engineering at the University of New Brunswick (UNB). He has been working in the field of cement and concrete research

Award Recipient Biographies

since 1983. Prior to joining UNB in 2002, he was on the faculty at the University of Toronto and previous to this, he worked as a Concrete Materials Engineer with Ontario Hydro in Canada and as a Research Fellow with the Building Research Establishment in the UK.

Thomas is a member of ACI Committees 201, Durability of Concrete; 221, Aggregates; 232, Fly Ash and Natural Pozzolans in Concrete; 233, Ground Slag in Concrete; 234, Silica Fume in Concrete; 236, Material Science of Concrete; 308, Curing Concrete; and 365, Service-Life Prediction. He is a Past President of the ACI Ontario Chapter. He received the ACI Wason Medal for Materials Research in 1998 and the ACI Construction Practice Award in 2001. He is a member of ASTM International and serves on ASTM Committees C01, Cement, and C09, Concrete and Concrete Aggregates. He has authored more than 150 technical papers and reports on these subjects and is a co-author of the service-life model Life-365.

His research interests include concrete durability and the use of industrial by-products, including pozzolans and slag, as well as service-life modeling and the repair and maintenance of concrete structures. His studies on durability have included alkali-silica reaction, delayed ettringite formation, sulfate attack, deicer-salt scaling, carbonation, chloride ingress, and embedded steel corrosion.

Thomas received his BSc in civil engineering from the University of Nottingham, UK, in 1982 and his PhD in civil engineering from the University of Aston, Birmingham, UK, in 1987. He is a licensed professional engineer in New Brunswick.

Allan Scott is a Lecturer in the Department of Civil and Natural Resource Engineering at the University of Canterbury, New Zealand.

His research interests include the durability and maintenance of reinforced concrete infrastructure, particularly with regard to the material performance of concrete subject to chloride ingress and the corrosion of reinforcing steel.

He received his Bachelor of Engineering and Management from McMaster University, Hamilton, ON, Canada, in 1994 and his master's degree and PhD in civil engineering from the University of Cape Town, South Africa, in 1997 and 2004, respectively.

Theodore W. Bremner is Professor Emeritus and Honorary Research Professor of Civil Engineering at the University of New Brunswick, Fredericton, NB, Canada. He retired in 1999 after teaching and research in civil engineering materials and continues to supervise graduate students,

Award Recipient Biographies

doing research on concrete materials and acting as a consultant.

He is a Past President of the ACI Atlantic Chapter and a Past Chair and current member of ACI Committees 122, Energy Efficiency of Concrete and Masonry Systems, and 213, Lightweight Aggregate and Concrete. He is a member of ACI Committees 214, Evaluation of Results of Tests Used to Determine the Strength of Concrete; 357, Offshore and Marine Concrete Structures; and 365, Service-Life Prediction. He received the ACI Cedric Wilson Award in 1988 and the ACI Construction Practice Award in 1990. Bremner is a member of the Canadian Society of Civil Engineers and a past member of the Canadian Centre of Excellence on High Performance Concrete. He is the author or co-author of over 180 technical papers and over 230 reports.

He received his BSc in civil engineering from the University of New Brunswick in 1960; his Diploma of Imperial College, London, UK, in 1961; and his MSc and PhD in civil engineering from the University of London, UK, in 1963 and 1981, respectively. He is a licensed professional engineer in New Brunswick.

Alain Bilodeau has been a Research Engineer for the former CANMET's Advanced Concrete Research Program of the Department of Natural Resources Canada in Ottawa, ON, Canada, for 22 years and for the Recycling and Stabilization Unit of the same department for the last 3 years.

He is a past member of ACI Committee 232, Fly Ash and Natural Pozzolans in Concrete.

His research interests include the use of supplementary cementing materials in concrete, the durability of concrete, and the stabilization and solidification of hazardous waste materials. He has authored and co-authored over 60 technical papers and reports.

Bilodeau received his BS in civil engineering from Laval University, Quebec City, QC, Canada, in 1981 and his master's degree in engineering from the University of Sherbrooke, QC, Canada, in 1985.

Donna C. Day is a Project Engineer for the U.S. Army Corps of Engineers Hurricane Protection Office in New Orleans, LA. Prior to her work in New Orleans, she was a Research Civil Engineer at the Corps of Engineers Engineer Research and Development Center (ERDC) in Vicksburg, MS.

She received her BS and MS in civil engineering from North Carolina Agricultural and Technical State University, Greensboro, NC, in 1992 and 1998, respectively.

*Award Recipient Biographies*_____

CHESTER PAUL SIESS AWARD FOR EXCELLENCE IN STRUCTURAL RESEARCH

ACI member **Aurelio Muttoni** is a Full Professor in the School of Architecture, Civil and Environmental Engineering at the Swiss Federal Institute of Technology in Lausanne, Switzerland, where he heads the Structural Concrete Laboratory. He is the co-owner of a design office that focuses on high-level applications of structural concrete. He has also designed several bridges that have been considered highly innovative. Muttoni is a member of the International Federation for Structural Concrete (*fib*), its Technical Council, and the Special Activity Group for the *fib*-Model Code 2010. He is also a member of the Swiss Concrete Code Commission SIA 262. He has authored or co-authored over 100 technical papers and reports. He is also the author or co-author of two books and several book chapters.

His research interests include innovative structural types, conceptual design of bridges, shear and punching shear, high-performance fiber-reinforced concrete, and soil-structure interaction.

He received his diploma and PhD from the Swiss Federal Institute of Technology in Zurich, Switzerland, in 1982 and 1989, respectively.

ACI DESIGN AWARD

Hartwig N. Schneider has been a Professor at the Chair of Building Construction and Design, Department of Architecture, RWTH Aachen University, Germany, since 1999. He has been a Partner of an architectural consulting company in Stuttgart, Germany, since 1988 and member of the German Association for Architects since 1993.

His research interests include modern structural and facade systems, modular construction, new materials, and intelligent simplicity.

He studied at the University of Stuttgart and the Illinois Institute of Technology, Chicago, IL, and received his diploma in architecture in 1984.

Ingo Bergmann teaches building construction and English at the Albrecht-Dürer School in Düsseldorf, Germany. He was an Assistant Professor at the Chair of Building Construction and Design, Department of Architecture, RWTH Aachen University, Germany, from 2001 to 2007, where he taught building construction and architecture. Additionally, he did scientific research on textile-reinforced concrete in the context of the Collaborative Research Center 532 “Textile Reinforced Concrete” between 2002 and 2007.

Award Recipient Biographies

His research interests include the history of concrete structures, light-weight surface structures, and composite materials.

He received his Diploma in architecture from the RWTH Aachen University in 1996, and his educational Diploma in building construction and English from the Universität Stuttgart in 2009.

DELMAR L. BLOEM DISTINGUISHED SERVICE AWARD

V. Tim Cost is a Senior Technical Service Engineer for Holcim (US), Inc. For 10 years prior to joining Holcim (then Holnam) in 1996, he represented the concrete industry in Mississippi, initially as a Portland Cement Association Field Engineer and then as Executive Director of the Mississippi Concrete Industries Association. From 1976 to 1986, he was involved in research relating to concrete structures at the U.S. Army Corps of Engineers Waterways Experiment Station (now the Engineer Research and Development Center).

An ACI Fellow since 2007, he is Chair of ACI Committee 330, Concrete Parking Lots and Site Paving, and Past President of the ACI Mid-South Chapter. He is a member of ACI Committees 211, Proportioning Concrete Mixtures; 230, Soil Cement; 302, Construction of Concrete Floors; 325, Concrete Pavements; and 360, Design of Slabs on Ground. He is an Instructor and Examiner for the ACI concrete technician and finisher certification programs and has served as an Instructor for ACI seminars on concrete parking areas and site paving. He is also a member of the American Society of Civil Engineers (ASCE) and ASTM International, where he serves on Committees C01, Cement, and C09, Concrete and Concrete Aggregates, and leads a Task Group of Subcommittee C01/09.48, Performance of Cementitious Materials and Admixture Combinations. He is also active in local concrete industry associations in three states. He has authored and co-authored dozens of technical papers and articles.

His research interests include cement-admixture interaction, compatibility of concrete materials, soil stabilization with alternative binder materials, concrete paste-aggregate bond, and concrete durability.

Cost received a BS and MS in civil engineering from Mississippi State University, Mississippi State, MS, in 1976 and 1982, respectively. He is a licensed professional engineer in Mississippi.

Russell L. Hill see page 44

Michael S. Stenko see page 53

*Award Recipient Biographies*_____

CHAPTER ACTIVITIES AWARD—DOMESTIC

J. Mitchell Englestead is the Technical Services Manager for Ready Mix, Inc., in Las Vegas, NV. He started in the ready mixed industry in 1984 and has been in technical services since 1989.

He is a member of ACI Committees 304, Measuring, Mixing, Transporting, and Placing Concrete; C610, Field Technician Certification; and C620, Laboratory Technician Certification; and was recently appointed to the ACI Certification Programs Committee.

Englestead's research interests include aggregate/particle shape/gradation in concrete and high-performance/high-strength concrete.

Mike Murray is the owner of Decorative Concrete Supply, Inc., in Shawnee, KS. He has worked in the concrete business for 47 years, with the past 17 focused on decorative concrete.

He is a member of ACI Committees 120, History of Concrete; 303, Architectural Cast-in-Place Concrete; 304, Measuring, Mixing, Transporting, and Placing Concrete; 308, Curing Concrete; 310, Decorative Concrete; C601-D, Decorative Concrete Finisher; C610, Field Technician Certification; and C640, Craftsman Certification. He holds four ACI certifications and one in pervious concrete.

His research interests include decorative concrete certification, curing of decorative concrete, moisture issues in a concrete slab, and durability and aesthetics of decorative concrete.

CHAPTER ACTIVITIES AWARD—INTERNATIONAL

Mohammed H. Al-Nagadi is a former Deputy Minister for the Ministry of Municipality and Rural Affairs.

He is President of the ACI Saudi Arabia Chapter and a member of the ACI International Committee. He is President of the Saudi Building Code National Committee in Saudi Arabia; Vice Chairman of the Unified Arab Building Codes; Chairman of the Drafting Committee of the Saudi Building Code; and a member of the American Society of Civil Engineers (ASCE), International Organization for Standardization Technical Committee 71 (ISO/TC 71), and Majles Ash Shura. He has authored over 100 technical papers and reports.

His research interests include the assessment of structural safety and building repairs, use of fiber-reinforced polymers in structural repair, investigation of collapsed buildings, and preventive maintenance in concrete structures.

Award Recipient Biographies

Al-Nagadi received his BS in civil engineering from the King Saud University, Riyadh, Saudi Arabia, in 1975, and his MS in civil engineering from the University of Dayton, Dayton, OH, in 1988. He is a licensed consultant engineer in Saudi Arabia.

Mario A. Chiorino has been a Professor of structural mechanics since 1975 at the Turin Institute of Technology (Politecnico di Torino), Turin, Italy, where he is also serving as Professor of Theory and Design of Structures and of Structural Analysis of Masonry and Monumental Structures. From 1990 to 1997, he served as Vice-Rector for Education. He was Visiting Professor at Nagoya City University, Nagoya, Japan, in 2002, and was Professor of Structural Analysis at the School of Architecture, University of Venice, Italy, from 1973 to 1975. He has held seminars and lectures at universities and institutions in Italy and abroad.

An ACI Fellow since 2007, he is Honorary President of the ACI Italy Chapter. He is a member of the ACI International Committee and ACI Committee 209, Creep and Shrinkage of Concrete. He is a past member of the Advisory Committee of Comité Euro-International du Béton (CEB), and a member or past member of various technical committees in the field of structural concrete within international organizations such as the Fédération Internationale du Béton (*fib*), CEB, RILEM, International Association for Bridge and Structural Engineering (IABSE), International Committee for Industrial Chimneys (CICIND), and the Italian Standard Organization (UNI). Within these committees, he contributed to the drafting of codes and technical recommendations, and was personally responsible for editing a number of technical documents. He is also a National Member of the Academy of Sciences of Turin. He authored or co-authored over 90 papers, books, and volumes.

His research interests include structural analysis of concrete structures, with a focus on time-dependent effects, design of concrete tall chimneys, mechanical behavior of masonry structures, conservation of structural concrete architectural heritage, and the history of structural mechanics.

Chiorino received a doctorate in civil engineering at the Politecnico di Torino, Turin, Italy, in 1962.

WALTER P. MOORE, JR. FACULTY ACHIEVEMENT AWARD

Mahmoud Reda Taha is an Associate Professor and Regents' Lecturer in the Department of Civil Engineering at the University of New Mexico (UNM), Albuquerque, NM. He has been a member of the faculty at UNM

Award Recipient Biographies

since 2004 and has been actively involved in the teaching and research of concrete structures and materials.

He is Secretary of ACI Committee 548, Polymers and Adhesives for Concrete, and a member of ACI Committees 209, Creep and Shrinkage in Concrete; 236, Material Science of Concrete; 435, Deflection of Concrete Building Structures; and 440, Fiber Reinforced Polymer Reinforcement. He is also a member of the American Society of Civil Engineers (ASCE) and RILEM. He received the Egypt State Award of Encouragement in 2003 and the Ralph Powe Junior Faculty Award from the Oak Ridge Associate Universities in 2004. In 2008, he was named UNM Regents' Lecturer, the highest award bestowed on a junior faculty at UNM for excellence in research.

His research interests include structural health monitoring, structural composites, and using nanotechnology for producing blast-resistant composites including ultra-high performance concrete (UHPC). He is a co-editor of ACI's SP-267, *Nanotechnology for Concrete: The Next Big Thing is Small*. He has supervised more than 11 master's degree and PhD candidates and has authored and co-authored more than 60 articles in refereed journals, including ACI Journals.

Taha received his BSc and MSc in structural engineering from Ain Shams University, Cairo, Egypt, in 1993 and 1996, respectively, and his PhD from the University of Calgary, Calgary, AB, Canada, in 2000.

ACI FOUNDATION

CONCRETE RESEARCH COUNCIL ARTHUR J. BOASE AWARD

Sami Hanna Rizkalla is a Distinguished Professor of Civil Engineering and Construction and the Director of the Constructed Facilities Laboratory at North Carolina State University, Raleigh, NC. He is also the Director of the National Science Foundation Industry/University Cooperative Research Center on Integration of Composite into Infrastructure (CICI) at North Carolina State University. An ACI member since 1972 and an ACI Fellow since 1993, he is a Past Chair of ACI Committee 440, Fiber Reinforced Polymer Reinforcement, and a member of ACI Committees 440F, Strengthening and Repair of Concrete Structures with FRP, and 440H, FRP Reinforcements; and Joint ACI-ASCE Committees 423, Prestressed Concrete, and 550, Precast Concrete Structures. He co-edited three ACI special publications: SP-188 in 1999, SP-215 in 2003, and SP-245 in 2007. He chaired the committee for the following four ACI publications: 440.1R-01, 440.1R-03, 440.2R-02, and 440.4R-04. He received the ACI Delmar L. Bloem Award in 2004 and the ACI Joe W. Kelly Award in 2008. He is a Fellow of the American Society of Civil

Award Recipient Biographies

Engineers (ASCE), the Canadian Society for Civil Engineering (CSCE), the International Institute for FRP in Construction (IIFC), the Engineering Institute of Canada (EIC), and the Precast/Prestressed Concrete Institute (PCI). He received the PCI Harry H. Edwards Industry Advancement Award in 1998, the Martin P. Korn Award in 2007, and the Distinguished Educator Award in 2009. He has authored and co-authored over 300 technical papers and reports.

His research interests include the use of fiber-reinforced polymers as reinforcement, prestressing and strengthening of concrete structures, high-performance steel reinforcement, and high-strength concrete.

He received his BSc from Alexandria University, Egypt, in 1965, and his MS and PhD in civil engineering from North Carolina State University in 1974 and 1976, respectively.

ACI FOUNDATION CONCRETE RESEARCH COUNCIL ROBERT E. PHILLEO AWARD

H. Celik Ozyildirim is a Principal Research Scientist with the Virginia Transportation Research Council (VTRC), the research division of the Virginia Department of Transportation (VDOT), in Charlottesville, VA. He joined VTRC in 1969 as a Graduate Research Assistant and then became a Research Scientist in 1974. He is also an Instructor in civil engineering at the University of Virginia.

An ACI Fellow since 1993, he is a Past Chair of ACI Committee 309, Consolidation of Concrete. He is a member of ACI Committees 211, Proportioning Concrete Mixtures; 233, Ground Slag in Concrete; 234, Silica Fume in Concrete; 236, Material Science of Concrete; 237, Self-Consolidating Concrete; 238, Workability of Fresh Concrete; 308, Curing Concrete; 309, Consolidation of Concrete; 327, Roller Compacted Concrete Pavements; 506, Shotcreting; and 544, Fiber Reinforced Concrete. He is also a member of ASTM International Committee C09, Concrete and Concrete Aggregates, and a member emeritus of the Transportation Research Board's Committee AFN10, Basic Research and Emerging Technologies Related to Concrete.

He received the VDOT Commissioner's Award for Excellence in 1998. He has authored and co-authored more than 100 technical papers and reports, including the current ACI SP-1, *Concrete Primer*, with the late Bryant Mather.

His research interests include supplementary cementitious materials, high-performance concrete, mass concrete, fiber-reinforced concrete, self-consolidating concrete, lightweight concrete, and the application of these concretes to transportation facilities.

Award Recipient Biographies

Ozyildirim received his PhD in civil engineering from the University of Virginia, Charlottesville, VA, in 1974 and his BS and MS in civil engineering from Robert College (now Bosphorus University) in Istanbul, Turkey, in 1967 and 1969, respectively. He is a licensed professional engineer in Virginia.

EDUCATIONAL ACTIVITIES COMMITTEE SPEAKER OF THE YEAR AWARDS

James R. Harris is Principal of J. R. Harris & Company, Structural Engineers, Denver, CO.

A Fellow of ACI, Harris is a member of ACI Committee 318, Structural Concrete Building Code, and two subcommittees. He also serves on various technical committees of the American Society of Civil Engineers (ASCE), the American Institute of Steel Construction, the Applied Technology Council, the Building Seismic Safety Council, the International Standards Organization (ISO), the Mid-America Earthquake Engineering Research Center, the Portland Cement Association (PCA), and the Structural Engineering Institute of ASCE. His contributions to the advancement of standards for structural engineering practice were recognized by his election to the National Academy of Engineering in 2005.

His research focuses on the loading and response of structures, particularly earthquake and snow loadings, and on improving the formulation and use of engineering standards. He has written over 30 reports and journal articles on the results of his research and practice.

He received his MS and PhD in structural engineering from the University of Illinois, Urbana, IL. His research interests include the design or evaluation of several hundred structures ranging from dwellings to high-rise buildings, including industrial facilities, long spans, buildings in the highest seismic zones, excavation bracing, pile and pier foundations, vibration issues, and historic building renovations.

Jerry A. Holland is Director of Design Services at Structural Services Inc., Atlanta, GA. He has 35 years of worldwide experience in design, construction, and troubleshooting concrete materials, floors, pavements, structures, and related geotechnical problems. During most of that time, Holland was with Lockwood Greene Engineers in Atlanta. He specializes in concrete mixtures, floor slabs-on-ground including superflat and other specialty floors and suspended slabs, fiber reinforcement, post-tensioning, shrinkage-compensating concrete, paving, and liquid-containing structures. He has worked on projects in almost every state in the U.S. and on every continent except Antarctica.

Award Recipient Biographies

Holland is a Past Chair and member of ACI Committee 360, Design of Slabs on Grade, and is a member of ACI Committees 223, Shrinkage-Compensating Concrete; 302, Construction of Concrete Floors; 325, Concrete Pavement; and 350, Environmental Structures.

Index

50-Year Membership Citations	10-12
------------------------------------	-------

A

ACI Certification Award.....	25-26, 62-64
ACI Chapter Activities Award.....	35-37, 72-73
ACI Chapter Awards—Citations of Excellence.....	39
ACI Construction Award	29, 67
ACI Design Award.....	33, 70-71
ACI Distinguished Achievement Award	27, 39, 64
ACI Foundation Concrete Research Council— Arthur J. Boase Award	38, 74-75
ACI Foundation Concrete Research Council— Robert E. Philleo Award	38, 75-76
ACI Young Member Award for Professional Achievement.....	27-28, 65-66
Aldred, James	14, 40
Alfred E. Lindau Award.....	24, 60
Al-Nagadi, Mohammed H.	36, 72-73
Ardahl, Jon B.	23, 59
Arthur R. Anderson Award	22, 57
Awards, List of.....	2-3
Awards, Photos of.....	20-21

B

Babakhanian, Vartan	25, 62-63
Baker Concrete Construction, Inc.	25, 61-62
Baker, Daniel L.....	5
Barnes, Robert W.	14, 40-41
Bayrak, Oguzhan	14, 41
Bentz, Evan C.....	14, 41-42
Bergmann, Ingo	33, 70-71
Bilodeau, Alain	31, 69
Bondy, Ken	23, 58-59
Bremner, Theodore W.	31, 68-69

C

Chapter Awards—Citations of Excellence	39
Charles S. Whitney Medal.....	25, 61-62
Chester Paul Siess Award for Excellence in Structural Research	32, 70
Chiorino, Mario A.....	37, 73
Chung, Young Soo	14, 42

Concrete Reinforcing Steel Institute.....	24, 60-61
Constantino, Cesar A.....	14, 42-43
Cost, V. Tim.....	34, 71
Covarrubias, Juan Pablo	15, 43-44

D

Damazo-Juarez, Jose Daniel.....	15, 45
Darwin, David.....	26, 63
Day, Donna C.	32, 69
Delmar L. Bloem Distinguished Service Award.....	34-35, 71
Diaz, Mario R.	26, 64

E

Educational Activities Committee	
Speaker of the Year Awards.....	39, 76-77
Englestead, J. Mitchell.....	35, 72

F

Fellows	13-19, 40-56
---------------	--------------

H

Harris, James R.	39, 76-77
Henry C. Turner Medal.....	24, 60-61
Henry L. Kennedy Award	23, 59
Herrera, Angel	6
Hill, Russell L.	15, 34, 44, 71
Holland, Jerry A.	39-76-77

I

Illinois Ready Mixed Concrete Association	27, 64-65
Inman, Brad D.....	7

J

Joe W. Kelly Award.....	23, 58-59
Jolin, Marc	15, 44-45
Juenger, Maria	27, 65

K

Kelly, Dominic J.....	15, 45
Klein, Gary J.....	29, 66-67
Klemencic, Ron	24, 60
Kurtis, Kimberly E.....	15, 46

Index

L

- Lew, H. S.8
Lowes, Laura N. 16, 46-47

M

- Malisch, Ward R.22, 57
Mlakar, Paul F. 16, 47
Muttoni, Aurelio32, 70
Murray, Mike36, 72

N

- Nehasil, John W. 16, 47-48
Novak, Lawrence C. 16, 48

O

- Ottazzi, Gianfranco 16, 48-49
Ozyildirim, H. Celik.....38, 75-76

P

- Phan, Long 16, 49

R

- Restrepo, José Ignacio 17, 49-50
Rizkalla, Sami Hanna 38, 74-75
Roger H. Corbetta Concrete Constructor Award22, 57-58
Rogowsky, David 17, 50
Roof, Harry C.17, 50-51
Rothstein, David 17, 51

S

- Schneider, Hartwig N.33, 70
Scott, Allan30, 68
Sennour, Larbi 17, 51-52
Shah, Surendra P.9
Silva, John F. 17, 52
Sritharan, Sri 18, 52-53
Stenko, Michael S. 18, 35, 53
Suksawang, Nakin 28, 65-66
Subramaniam, Kolluru V. L. 18, 53-54
Suprenant, Bruce A.22, 57-58

T

Taha, Mahmoud Reda.....37, 73-74
Tanner, Jennifer28, 66
Thomas, Michael D. A.30, 67-68

V

Van Dam, Thomas John.....18, 54-55
Villarreal, Victor H.29, 67

W

Walter P. Moore, Jr. Faculty Achievement Award37, 73-74
Wason Medal for Materials Research.....30-32, 67-69
Wason Medal for Most Meritorious Paper.....29, 66-67
Weiss, Jr., Arthur T.....18, 55
Weiss, Jason.....18, 55-56

X

Xiao, Yan19, 56

Y

Yuers, Kari19, 56

ACI selects the winners of its annual awards through an open nomination process. ACI members can participate in the Honors and Awards Program by nominating worthy candidates for award consideration. Nomination forms can be found on the ACI Web site, www.concrete.org, or by contacting Diane Pociask at Diane.Pociask@concrete.org



American Concrete Institute®
Advancing concrete knowledge