

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 2 - OVERALL RESULTS**

ID	Type	University	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	Check Here if Disqualified	R <sub>1</sub> Rank	R <sub>2</sub> Rank	R <sub>3</sub> Rank	Ranking Points	Overall Rank
			Cost-to-Load Ratio	Maximum Load Prediction Ratio	3.5 mm Deflection Prediction Ratio						
			\$ per kN	%	%						
UCUEN	2	Universidad de Cuenca	0.085	12.8%	91.4%	OK	1	3	10	3.75	1
UCUEC	2	UNIVERSIDAD DE CUENCA	0.090	24.3%	26.8%	OK	3	5	4	3.75	2
USFQA	2	Universidad San Francisco de Quito	0.094	11.3%	52.6%	OK	4	2	8	4.50	3
UCEMF	2	Universidad Central del Ecuador	0.086	65.7%	112.3%	OK	2	9	12	6.25	4
USFQB	2	Universidad San Francisco de Quito	0.116	16.3%	104.5%	OK	5	4	11	6.25	5
SherB	2	Université de Sherbrooke	0.118	42.7%	27.8%	OK	6	8	5	6.25	6
EPNIC	2	ESCUELA POLITÉCNICA NACIONAL	0.128	28.8%	33.5%	OK	7	6	7	6.75	7
MSTAA	2	Missouri University of Science and Technology	0.183	38.6%	14.4%	OK	10	7	2	7.25	8
MSTBB	2	Missouri University of Science and Technology	0.271	6.5%	31.3%	OK	11	1	6	7.25	9
UANLA	2	UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN	0.305	66.3%	3.6%	OK	12	10	1	8.75	10
SherA	2	University of Sherbrooke	0.153	81.6%	145.7%	OK	9	12	13	10.75	11
UMNDU	2	University of Minnesota Duluth	0.135	262.8%	1197.1%	OK	8	14	16	11.50	12
ULMMR	2	University of Louisiana at Lafayette	0.686	67.7%	19.8%	OK	16	11	3	11.50	13
ZSTCQ	2	University of Windsor	0.356	154.9%	161.5%	OK	13	13	14	13.25	14
ZNMLE	2	University of Windsor	0.663	469.8%	90.4%	OK	15	16	9	13.75	15
UNAMB	2	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.551	391.8%	549.9%	OK	14	15	15	14.50	16
FESAB	2	FES ARAGÓN UNAM	0.833	1016.7%	770.4%	DQ					

Note: Only one team per university is eligible for a Top 3 Award.

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 2 - COST-TO-LOAD RATIO RESULTS**

ID	Type	University	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	Check Here if Disqualified	R <sub>1</sub> Rank	R <sub>2</sub> Rank	R <sub>3</sub> Rank	Ranking Points	Overall Rank
			Cost-to-Load Ratio \$ per kN	Maximum Load Prediction Ratio %	3.5 mm Deflection Prediction Ratio %						
UCUEN	2	Universidad de Cuenca	0.085	12.8%	91.4%	OK	1	3	10	3.75	1
UCEMF	2	Universidad Central del Ecuador	0.086	65.7%	112.3%	OK	2	9	12	6.25	4
UCUEC	2	UNIVERSIDAD DE CUENCA	0.090	24.3%	26.8%	OK	3	5	4	3.75	2
USFQA	2	Universidad San Francisco de Quito	0.094	11.3%	52.6%	OK	4	2	8	4.50	3
USFQB	2	Universidad San Francisco de Quito	0.116	16.3%	104.5%	OK	5	4	11	6.25	5
SherB	2	Université de Sherbrooke	0.118	42.7%	27.8%	OK	6	8	5	6.25	6
EPNIC	2	ESCUELA POLITÉCNICA NACIONAL	0.128	28.8%	33.5%	OK	7	6	7	6.75	7
UMNDU	2	University of Minnesota Duluth	0.135	262.8%	1197.1%	OK	8	14	16	11.50	12
SherA	2	University of Sherbrooke	0.153	81.6%	145.7%	OK	9	12	13	10.75	11
MSTAA	2	Missouri University of Science and Technology	0.183	38.6%	14.4%	OK	10	7	2	7.25	8
MSTBB	2	Missouri University of Science and Technology	0.271	6.5%	31.3%	OK	11	1	6	7.25	9
UANLA	2	UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN	0.305	66.3%	3.6%	OK	12	10	1	8.75	10
ZSTCQ	2	University of Windsor	0.356	154.9%	161.5%	OK	13	13	14	13.25	14
UNAMB	2	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.551	391.8%	549.9%	OK	14	15	15	14.50	16
ZNMLE	2	University of Windsor	0.663	469.8%	90.4%	OK	15	16	9	13.75	15
ULMMR	2	University of Louisiana at Lafayette	0.686	67.7%	19.8%	OK	16	11	3	11.50	13
FESAB	2	FES ARAGÓN UNAM	0.833	1016.7%	770.4%	DQ					

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 2 - MAXIMUM LOAD PREDICTION RATIO RESULTS**

ID	Type	University	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	Check Here if Disqualified	R <sub>1</sub> Rank	R <sub>2</sub> Rank	R <sub>3</sub> Rank	Ranking Points	Overall Rank
			Cost-to-Load Ratio \$ per kN	Maximum Load Prediction Ratio %	3.5 mm Deflection Prediction Ratio %						
MSTBB	2	Missouri University of Science and Technology	0.271	6.5%	31.3%	OK	11	1	6	7.25	9
USFQA	2	Universidad San Francisco de Quito	0.094	11.3%	52.6%	OK	4	2	8	4.50	3
UCUEN	2	Universidad de Cuenca	0.085	12.8%	91.4%	OK	1	3	10	3.75	1
USFQB	2	Universidad San Francisco de Quito	0.116	16.3%	104.5%	OK	5	4	11	6.25	5
UCUEC	2	UNIVERSIDAD DE CUENCA	0.090	24.3%	26.8%	OK	3	5	4	3.75	2
EPNIC	2	ESCUELA POLITÉCNICA NACIONAL	0.128	28.8%	33.5%	OK	7	6	7	6.75	7
MSTAA	2	Missouri University of Science and Technology	0.183	38.6%	14.4%	OK	10	7	2	7.25	8
SherB	2	Université de Sherbrooke	0.118	42.7%	27.8%	OK	6	8	5	6.25	6
UCEMF	2	Universidad Central del Ecuador	0.086	65.7%	112.3%	OK	2	9	12	6.25	4
UANLA	2	UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN	0.305	66.3%	3.6%	OK	12	10	1	8.75	10
ULMMR	2	University of Louisiana at Lafayette	0.686	67.7%	19.8%	OK	16	11	3	11.50	13
SherA	2	University of Sherbrooke	0.153	81.6%	145.7%	OK	9	12	13	10.75	11
ZSTCQ	2	University of Windsor	0.356	154.9%	161.5%	OK	13	13	14	13.25	14
UMNDU	2	University of Minnesota Duluth	0.135	262.8%	1197.1%	OK	8	14	16	11.50	12
UNAMB	2	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.551	391.8%	549.9%	OK	14	15	15	14.50	16
ZNMLE	2	University of Windsor	0.663	469.8%	90.4%	OK	15	16	9	13.75	15
FESAB	2	FES ARAGÓN UNAM	0.833	1016.7%	770.4%	DQ					

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 2 - 3.5mm DEFLECTION PREDICTION RATIO RESULTS**

ID	Type	University	R <sub>1</sub>	R <sub>2</sub>	R <sub>3</sub>	Check Here if Disqualified	R <sub>1</sub> Rank	R <sub>2</sub> Rank	R <sub>3</sub> Rank	Ranking Points	Overall Rank
			Cost-to-Load Ratio	Maximum Load Prediction Ratio	3.5 mm Deflection Prediction Ratio						
			\$ per kN	%	%						
UANLA	2	UNIVERSIDAD AUTÓNOMA DE NUEVO LEÓN	0.305	66.3%	3.6%	OK	12	10	1	8.75	10
MSTAA	2	Missouri University of Science and Technology	0.183	38.6%	14.4%	OK	10	7	2	7.25	8
ULMMR	2	University of Louisiana at Lafayette	0.686	67.7%	19.8%	OK	16	11	3	11.50	13
UCUEC	2	UNIVERSIDAD DE CUENCA	0.090	24.3%	26.8%	OK	3	5	4	3.75	2
SherB	2	Université de Sherbrooke	0.118	42.7%	27.8%	OK	6	8	5	6.25	6
MSTBB	2	Missouri University of Science and Technology	0.271	6.5%	31.3%	OK	11	1	6	7.25	9
EPNIC	2	ESCUELA POLITÉCNICA NACIONAL	0.128	28.8%	33.5%	OK	7	6	7	6.75	7
USFQA	2	Universidad San Francisco de Quito	0.094	11.3%	52.6%	OK	4	2	8	4.50	3
ZNMLE	2	University of Windsor	0.663	469.8%	90.4%	OK	15	16	9	13.75	15
UCUEN	2	Universidad de Cuenca	0.085	12.8%	91.4%	OK	1	3	10	3.75	1
USFQB	2	Universidad San Francisco de Quito	0.116	16.3%	104.5%	OK	5	4	11	6.25	5
UCEMF	2	Universidad Central del Ecuador	0.086	65.7%	112.3%	OK	2	9	12	6.25	4
SherA	2	University of Sherbrooke	0.153	81.6%	145.7%	OK	9	12	13	10.75	11
ZSTCQ	2	University of Windsor	0.356	154.9%	161.5%	OK	13	13	14	13.25	14
UNAMB	2	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.551	391.8%	549.9%	OK	14	15	15	14.50	16
UMNDU	2	University of Minnesota Duluth	0.135	262.8%	1197.1%	OK	8	14	16	11.50	12
FESAB	2	FES ARAGÓN UNAM	0.833	1016.7%	770.4%	DQ					