

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 1 - 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 \$ per kN	Maximum Load Prediction Ratio %	3.5 mm Deflection Prediction Ratio %						
UCEVG	1	Universidad Central del Ecuador	0.242	32.6%	2.4%	OK	1	5	2	2.25	1
EPNEC	1	ESCUELA POLITÉCNICA NACIONAL	0.268	0.2%	43.6%	OK	2	1	10	3.75	2
TEXAS	1	The University of Texas at Austin	0.277	3.4%	42.2%	OK	3	3	9	4.50	3
NCSUR	1	North Carolina State University	0.419	0.8%	40.9%	OK	9	2	8	7.00	4
MAGIC	1	The University of Texas at Austin	0.324	114.2%	34.2%	OK	4	14	7	7.25	5
VALPO	1	Valparaiso University	0.422	47.0%	14.7%	OK	10	6	4	7.50	6
UMNDL	1	University of Minnesota Duluth	0.345	93.0%	109.0%	OK	5	13	15	9.50	7
UIUCH	1	University of Illinois at Urbana-Champaign	0.410	79.0%	76.4%	OK	8	10	12	9.50	8
UANLB	1	UNIVERSIDAD AUTONOMA DE NUEVO LEON	0.504	59.2%	5.0%	OK	13	9	3	9.50	9
PSUTB	1	Pittsburg State University	0.783	4.6%	32.0%	OK	15	4	6	10.00	10
UNAMA	1	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.381	133.6%	393.3%	OK	6	15	18	11.25	11
HAWGS	1	University of Arkansas	0.452	50.7%	152.6%	OK	11	7	16	11.25	12
NCSUW	1	North Carolina State University	0.501	90.5%	45.9%	OK	12	11	11	11.50	13
UMKCI	1	University of Missouri- Kansas City	0.393	321.4%	382.3%	OK	7	18	17	12.25	14
CSJSU	1	SAN JOSE STATE UNIVERSITY	0.824	260.3%	0.8%	OK	17	17	1	13.00	15
NINER	1	University of North Carolina at Charlotte	0.800	190.1%	14.8%	OK	16	16	5	13.25	16
AUACI	1	Auburn University	1.295	56.1%	89.1%	OK	19	8	13	14.75	17
NJITA	1	New Jersey Institute of Technology	2.355	92.6%	106.4%	OK	20	12	14	16.50	18
SIUEB	1	Southern Illinois University - Edwardsville	0.546	751.5%	1123.3%	OK	14	20	20	17.00	19
SIUEA	1	Southern Illinois University - Edwardsville	1.180	411.2%	794.5%	OK	18	19	19	18.50	20
BCITA	1	British Columbia Institute of Technology	0.397	106.3%	24.9%	DQ					
BCITB	1	British Columbia Institute of Technology	0.588	85.8%	74.6%	DQ					
DEVIL	1	Arizona State University	0.512	50.1%	148.9%	DQ					
FESAA	1	FES ARAGÓN UNAM	1.064	1582.8%	1841.0%	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 1 - 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 %						
UCEVG	1	Universidad Central del Ecuador	0.242	32.6%	2.4%	OK	1	5	2	2.25	1
EPNEC	1	ESCUELA POLITÉCNICA NACIONAL	0.268	0.2%	43.6%	OK	2	1	10	3.75	2
TEXAS	1	The University of Texas at Austin	0.277	3.4%	42.2%	OK	3	3	9	4.50	3
MAGIC	1	The University of Texas at Austin	0.324	114.2%	34.2%	OK	4	14	7	7.25	5
UMNDL	1	University of Minnesota Duluth	0.345	93.0%	109.0%	OK	5	13	15	9.50	7
UNAMA	1	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.381	133.6%	393.3%	OK	6	15	18	11.25	11
UMKCI	1	University of Missouri- Kansas City	0.393	321.4%	382.3%	OK	7	18	17	12.25	14
UIUCh	1	University of Illinois at Urbana-Champaign	0.410	79.0%	76.4%	OK	8	10	12	9.50	8
NCSUR	1	North Carolina State University	0.419	0.8%	40.9%	OK	9	2	8	7.00	4
VALPO	1	Valparaiso University	0.422	47.0%	14.7%	OK	10	6	4	7.50	6
HAWGS	1	University of Arkansas	0.452	50.7%	152.6%	OK	11	7	16	11.25	12
NCSUW	1	North Carolina State University	0.501	90.5%	45.9%	OK	12	11	11	11.50	13
UANLB	1	UNIVERSIDAD AUTONOMA DE NUEVO LEON	0.504	59.2%	5.0%	OK	13	9	3	9.50	9
SIUEB	1	Southern Illinois University - Edwardsville	0.546	751.5%	1123.3%	OK	14	20	20	17.00	19
PSUTB	1	Pittsburg State University	0.783	4.6%	32.0%	OK	15	4	6	10.00	10
NINER	1	University of North Carolina at Charlotte	0.800	190.1%	14.8%	OK	16	16	5	13.25	16
CSJSU	1	SAN JOSE STATE UNIVERSITY	0.824	260.3%	0.8%	OK	17	17	1	13.00	15
SIUEA	1	Southern Illinois University - Edwardsville	1.180	411.2%	794.5%	OK	18	19	19	18.50	20
AUACI	1	Auburn University	1.295	56.1%	89.1%	OK	19	8	13	14.75	17
NJITA	1	New Jersey Institute of Technology	2.355	92.6%	106.4%	OK	20	12	14	16.50	18
BCITA	1	British Columbia Institute of Technology	0.397	106.3%	24.9%	DQ					
BCITB	1	British Columbia Institute of Technology	0.588	85.8%	74.6%	DQ					
DEVIL	1	Arizona State University	0.512	50.1%	148.9%	DQ					
FESAA	1	FES ARAGÓN UNAM	1.064	1582.8%	1841.0%	DQ					

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 1 - 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 %						
EPNEC	1	ESCUELA POLITÉCNICA NACIONAL	0.268	0.2%	43.6%	OK	2	1	10	3.75	2
NCSUR	1	North Carolina State University	0.419	0.8%	40.9%	OK	9	2	8	7.00	4
TEXAS	1	The University of Texas at Austin	0.277	3.4%	42.2%	OK	3	3	9	4.50	3
PSUTB	1	Pittsburg State University	0.783	4.6%	32.0%	OK	15	4	6	10.00	10
UCEVG	1	Universidad Central del Ecuador	0.242	32.6%	2.4%	OK	1	5	2	2.25	1
VALPO	1	Valparaiso University	0.422	47.0%	14.7%	OK	10	6	4	7.50	6
HAWGS	1	University of Arkansas	0.452	50.7%	152.6%	OK	11	7	16	11.25	12
AUACI	1	Auburn University	1.295	56.1%	89.1%	OK	19	8	13	14.75	17
UANLB	1	UNIVERSIDAD AUTONOMA DE NUEVO LEON	0.504	59.2%	5.0%	OK	13	9	3	9.50	9
UIUCH	1	University of Illinois at Urbana-Champaign	0.410	79.0%	76.4%	OK	8	10	12	9.50	8
NCSUW	1	North Carolina State University	0.501	90.5%	45.9%	OK	12	11	11	11.50	13
NJITA	1	New Jersey Institute of Technology	2.355	92.6%	106.4%	OK	20	12	14	16.50	18
UMNDL	1	University of Minnesota Duluth	0.345	93.0%	109.0%	OK	5	13	15	9.50	7
MAGIC	1	The University of Texas at Austin	0.324	114.2%	34.2%	OK	4	14	7	7.25	5
UNAMA	1	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.381	133.6%	393.3%	OK	6	15	18	11.25	11
NINER	1	University of North Carolina at Charlotte	0.800	190.1%	14.8%	OK	16	16	5	13.25	16
CSJSU	1	SAN JOSE STATE UNIVERSITY	0.824	260.3%	0.8%	OK	17	17	1	13.00	15
UMKCI	1	University of Missouri- Kansas City	0.393	321.4%	382.3%	OK	7	18	17	12.25	14
SIUEA	1	Southern Illinois University - Edwardsville	1.180	411.2%	794.5%	OK	18	19	19	18.50	20
SIUEB	1	Southern Illinois University - Edwardsville	0.546	751.5%	1123.3%	OK	14	20	20	17.00	19
BCITA	1	British Columbia Institute of Technology	0.397	106.3%	24.9%	DQ					
BCITB	1	British Columbia Institute of Technology	0.588	85.8%	74.6%	DQ					
DEVIL	1	Arizona State University	0.512	50.1%	148.9%	DQ					
FESAA	1	FES ARAGÓN UNAM	1.064	1582.8%	1841.0%	DQ					

**ACI FRP Composites Competition**  
**Kansas City, MO (Sunday, April 12, 2015)**  
**Structure Type 1 - 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	%	%						
CSJSU	1	SAN JOSE STATE UNIVERSITY	0.824	260.3%	0.8%	OK	17	17	1	13.00	15
UCEVG	1	Universidad Central del Ecuador	0.242	32.6%	2.4%	OK	1	5	2	2.25	1
UANLB	1	UNIVERSIDAD AUTONOMA DE NUEVO LEON	0.504	59.2%	5.0%	OK	13	9	3	9.50	9
VALPO	1	Valparaiso University	0.422	47.0%	14.7%	OK	10	6	4	7.50	6
NINER	1	University of North Carolina at Charlotte	0.800	190.1%	14.8%	OK	16	16	5	13.25	16
PSUTB	1	Pittsburg State University	0.783	4.6%	32.0%	OK	15	4	6	10.00	10
MAGIC	1	The University of Texas at Austin	0.324	114.2%	34.2%	OK	4	14	7	7.25	5
NCSUR	1	North Carolina State University	0.419	0.8%	40.9%	OK	9	2	8	7.00	4
TEXAS	1	The University of Texas at Austin	0.277	3.4%	42.2%	OK	3	3	9	4.50	3
EPNEC	1	ESCUELA POLITÉCNICA NACIONAL	0.268	0.2%	43.6%	OK	2	1	10	3.75	2
NCSUW	1	North Carolina State University	0.501	90.5%	45.9%	OK	12	11	11	11.50	13
UIUCh	1	University of Illinois at Urbana-Champaign	0.410	79.0%	76.4%	OK	8	10	12	9.50	8
AUACI	1	Auburn University	1.295	56.1%	89.1%	OK	19	8	13	14.75	17
NJITA	1	New Jersey Institute of Technology	2.355	92.6%	106.4%	OK	20	12	14	16.50	18
UMNDL	1	University of Minnesota Duluth	0.345	93.0%	109.0%	OK	5	13	15	9.50	7
HAWGS	1	University of Arkansas	0.452	50.7%	152.6%	OK	11	7	16	11.25	12
UMKCI	1	University of Missouri- Kansas City	0.393	321.4%	382.3%	OK	7	18	17	12.25	14
UNAMA	1	UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO	0.381	133.6%	393.3%	OK	6	15	18	11.25	11
SIUEA	1	Southern Illinois University - Edwardsville	1.180	411.2%	794.5%	OK	18	19	19	18.50	20
SIUEB	1	Southern Illinois University - Edwardsville	0.546	751.5%	1123.3%	OK	14	20	20	17.00	19
BCITA	1	British Columbia Institute of Technology	0.397	106.3%	24.9%	DQ					
BCITB	1	British Columbia Institute of Technology	0.588	85.8%	74.6%	DQ					
DEVIL	1	Arizona State University	0.512	50.1%	148.9%	DQ					
FESAA	1	FES ARAGÓN UNAM	1.064	1582.8%	1841.0%	DQ					