

2022 Eastern Great Lakes Student Symposium Competition Results Summary

Questions? Contact -->	sperry@ohio.edu
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Concrete Canoe	See Attached
Steel Bridge	See Attached

Technical Paper and Presentation

Chapter Name	Paper Score	Presentation Score	Overall Score	Rank
Ohio University	123	134	257	1
Wayne State	118	127	245	2
Cincinnati	119	123	242	T3
Youngstown State	121	121	242	T3
Lawrence Tech	111	125	236	5
Ohio Northern	102	130	232	6
Akron	112	117	229	7
Michigan	110	117	227	8
Cleveland State	111	103	214	9

UESI Surveying

Chapter Name	Task 1A	Task 1B	Task 2	Task 3	Task 4	Task 5	Total	Rank
Ohio University	84.7	45	95	90	90	100	504.7	1
Cincinnati	68.3	46.5	100	95	90	95	494.8	2
Akron	75.3	45	90	85	75	90	460.3	3
Ohio Northern	52.3	41.5	85	100	95	85	458.8	4

Spirit of the Competition	University of Cincinnati
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Project Proposal		
Rank	Comp. Pnts	School
1	25.0	Youngstown State University
2	22.5	University of Michigan
3	20.0	University of Cincinnati
4	17.5	Ohio Northern University
5	15.0	Michigan Tech University
6	12.5	Ohio University
7	10.0	University of Detroit Mercy
8	7.5	Lawrence Tech University

Technical Presentation		
Rank	Comp. Pnts	School
1	20.0	Michigan Tech University
2	18.0	University of Michigan
3	16.0	University of Cincinnati
4	14.0	Youngstown State University
5	12.0	Ohio University
6	10.0	Ohio Northern University
7	8.0	University of Detroit Mercy
8	6.0	Lawrence Tech University

Enhanced Focus Areas		
Rank	Comp. Pnts	School
1	5.0	University of Michigan
2	4.5	Youngstown State University
3	4.0	University of Cincinnati
4	3.5	Ohio Northern University
5	3.0	Michigan Tech University
6	2.5	Ohio University
31		Lawrence Tech University
31		University of Detroit Mercy

Final Product Prototype		
Rank	School	Pnts
1	Youngstown State University	25.0
2	University of Michigan	22.5
3	University of Cincinnati	20.0
4	Michigan Tech University	17.5
5	Ohio University	15.0
6	University of Detroit Mercy	12.5
7	Ohio Northern University	10.0
8	Lawrence Tech University	7.5

Standings—Women's Final Sprints			
Place	Time	Comp. Pnts	School
1	01:21.87	4.5	Youngstown State University
2	01:48.26	4.0	Michigan Tech University
3	02:21.88	3.6	University of Michigan
4	02:43.94	3.1	Lawrence Tech University
5	04:10.89	2.6	Ohio University
6	00:00.00	2.2	University of Cincinnati
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Standings—Men's Final Sprints			
Place	Time	Comp. Pnts	School
1	01:09.39	4.5	Youngstown State University
2	01:12.09	4.0	Michigan Tech University
3	01:52.07	3.6	University of Michigan
4	02:17.91	3.1	University of Cincinnati
5	02:22.96	2.6	Lawrence Tech University
6	03:08.64	2.2	Ohio University
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Standings—Coed Final Sprints			
Place	Time	Comp. Pnts	School
1	01:17.79	6.0	Youngstown State University
2	01:33.82	5.4	Michigan Tech University
3	02:07.13	4.8	University of Michigan
4	02:46.89	4.2	Lawrence Tech University
5	02:47.15	3.6	University of Cincinnati
6	02:56.75	3.0	Ohio University
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Standings—Women's Slalom Race			
Rank	Time	Comp. Pnts	School
1	02:16.46	5.0	Michigan Tech University
2	02:48.49	4.5	Youngstown State University
3	04:08.84	4.0	University of Michigan
4	06:04.81	3.5	Lawrence Tech University
5	07:47.40	3.0	University of Cincinnati
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Standings—Men's Slalom Race			
Place	Time	Comp. Pnts	School
1	02:10.47	5.0	Youngstown State University
2	02:17.43	4.5	Michigan Tech University
3	03:50.63	4.0	University of Michigan
4	04:34.32	3.5	Lawrence Tech University
5	04:49.28	3.0	University of Cincinnati
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Race Points—Sorted by Race Points		
Rank	Total Race Points	School
1	24.5	Youngstown State University
2	22.9	Michigan Tech University
3	20.0	University of Michigan
4	16.9	Lawrence Tech University
5	14.9	University of Cincinnati
6	7.8	Ohio University
7	0.0	Ohio Northern University
7	0.0	University of Detroit Mercy

Final Summary—Sorted by Rank		
Sorted Rank	School Name	Points
1	Youngstown State University	93.0
2	University of Michigan	88.0
3	Michigan Tech University	78.4
4	University of Cincinnati	74.9
5	Ohio University	49.8
6	Ohio Northern University	41.0
7	Lawrence Tech University	37.9
8	University of Detroit Mercy	30.5

22	22			
23	23			
24	24			
25	25			
26	26			
27	27			
28	28			
29	29			
30	30			



Student Steel Bridge Competition - Awards Summary

Competition:	Eastern Great Lakes
Location:	Athens, Ohio
Date:	Saturday, April 2, 2022

Construction Speed

Rank	Full Name	Time (minutes)
1	Youngstown State University	6.87
2	Michigan Technological University	6.98
3	Ohio Northern University	16.25

Lightness

Rank	Full Name	Weight (lbs)
1	Cleveland State University	240.7
2	Youngstown State University	248.0
3	Ohio Northern University	258.7

Stiffness

Rank	Full Name	Agg D (in)
1	Youngstown State University	0.39
2	Cleveland State University	0.52
3	Michigan Technological University	0.64

Aesthetics

Rank	Full Name	Score
1	Ohio Northern University	14.33
2	Ohio University	14.00
3	Ohio State University	14.00



Student Steel Bridge Competition - Awards Summary

Competition:	Eastern Great Lakes
Location:	Athens, Ohio
Date:	Saturday, April 2, 2022

Cost Estimate

Rank	Full Name	Estimate
1	Michigan Technological University	\$ 1,732,926.17
2	Youngstown State University	\$ 1,802,763.17
3	Cleveland State University	\$ 2,786,943.10

Economy

Rank	Full Name	Cost
1	Michigan Technological University	\$ 2,389,166.67
2	Youngstown State University	\$ 2,670,833.33
3	Ohio Northern University	\$ 4,510,000.00

Efficiency

Rank	Full Name	Cost
1	Youngstown State University	\$ 1,745,164.00
2	Cleveland State University	\$ 2,327,143.10
3	Michigan Technological University	\$ 3,253,490.50

Overall

Rank	Full Name	Cost
1	Youngstown State University	\$ 4,415,997.33
2	Michigan Technological University	\$ 5,642,657.17
3	Ohio Northern University	\$ 12,999,977.10