2013 HPVC East Results

			Rose-Hulman Institute of Technology	Franklin W. Olin College of Engineering	University of Toronto	Calvin College	Union College	Grove City College	Kansas State University	Ferris State University	Daniel Webster College	Missouri University of Science and Technolog	Cairo university faculty of engineering	Central Piedmont Community College	University of Missouri: Kansas City	University of Wisconsin Madison	City College of New York	Mississippi State University	Southern Illinois University Edwardsville	The College of New Jersey	University of Central Florida	University of Florida	University of Southern Indiana	Virginia Tech	The University of Akron	University of Kansas	University of North Texas	Rutgers University	Roger Williams University	West Virginia University	University of Wisconsin - Milwaukee	Ohio Northern University	Southern Polytechnic State University
			Celeritas	The Plaid Panther	Celero	Knight Rider	The Riding Dutchmen	Vite Velo	Purple Wind	Dr. Z	Those Guys' Bike	Colossus	cairo25	Brugatti Rolling Bagel 3000	Carbon Stallion	Perpetual Mootion	Harlem Shake	Abrams	Cougar	Blood, Sweat, and Gears	UCF Flintstones	InstaGator	Quietus	Virginia Tech 1	S.T.I.G.	The Jayhawk	Yoshi	swerve	The Hawk	WVU HPV	Thrift Shop HVP	Bearly Stealthy	RMS Stinger
Vehicle Count = 31	**№**		**1**	**2**	**4**	**6**	**7**	**8**	**9**	**10**	**21**	**24**	**25**	**30**	**35**	**36**	**39**	**40**	**45**	**46**	**51**	**53**	**57**	**60**	**64**	**65**	**67**	**68**	**77**	**72**	**81**	**90**	**95**
Design Event																																	
General	**5**	**Evaluated based on report**	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	0	3	5	4	5	4	5	4	4	4	2	5	5	5	5	5
Design	**15**	**Evaluated based on report and update**	11.55	11.725	11.3375	0	7.6625	12.4	11.5125	10.325	4.0125	12.1	3.725	6.0875	9.0625	10.2375	8.05	0	4.3875	10.8625	10.7375	11.8625	10.35	10.3	0	3.175	0	0	0	11.0625	8.2	10.275	6.7
Analysis	**25**	**Evaluated based on report and update**	20.75	21.125	11.5625	0	18.75	20.75	16.875	19.65	2.625	20.75	7.1375	6.375	13.4125	19.5	18.925	0	5.65	18.75	15.2875	14.0625	15.8125	9.375	0	7.625	0	0	0	15.625	8.25	19.8	6.8
Testing	**25**	**Evaluated based on report and update**	17.15	15.4	6.6125	0	10.75	9.725	13.9	12.9	0	12.7	1.25	4.375	4.6875	8.65	5.25	0.75	1.525	4.3125	2.75	15.3125	3.875	4.5	0	1.25	0	0	0	12.225	6.825	10.475	3.25
Safety	**20**	**Evaluated based on report and presentation**	19.5	14	18	0	17	18	19	15.5	0	20	0	12	13	11	12	0	19	13	12	18	13	7	0	9	0	0	0	19	15	20	12
Aesthetics	**10**	**Evaluated based on presentation**	8.875	8.375	8.875	0	7.5	7.75	6.75	9.75	0	8	0	5	2.75	6.375	6.75	1.5	5.25	5.625	5.625	5.125	5.875	6	0	2.625	0	0	0	7.125	5.75	7.25	4.875
Design Event - Total	**100**		82.8	75.6	61.4	0.0	66.7	73.6	73.0	73.1	0.0	78.6	0.0	33.3	47.9	58.3	56.0	0.0	38.8	57.6	50.4	69.4	50.8	42.2	0.0	27.7	0.0	0.0	0.0	70.0	49.0	72.8	34.0
Report content largely non-original	100%																																
Late Report Submission (per day)	4%													12%		4%							4%				8%						12%
Late for Static Judging or Safety Check	10%																										10%		10%				
Over Page Limit (per page)	3%																																
Report Does Not Conform to Outline	10%																											10%					
Design - Rank			**1**	**3**	**11**	**24**	**10**	**4**	**6**	**5**	**24**	**2**	**24**	**22**	**18**	**12**	**14**	**24**	**20**	**13**	**16**	**9**	**15**	**19**	**24**	**23**	**24**	**24**	**24**	**8**	**17**	**7**	**21**
Innovation Event																																	
Capability	**6**	**Evaluated based on report**	5.75	5.375	0	0	0	5	5.3	5	0	5.125	0	0	0	4.275	0	0	2.625	0	0	5.25	0	0	0	0	0	0	0	3.8	0	3.75	0
Innovation	**9**	**Evaluated based on demonstration and report**	6.15	6.125	1.275	0	1.425	1.425	3.975	3.25	0	5.475	0	0	0.675	3.3	1.375	0.275	1	1.675	3.875	5.575	1.9	1.175	0	0	0	0	0	0.925	1.6	3.65	0.65
Effectiveness	**10**	**Evaluated based on demonstration and report**	8.6	7.2	6.1	0.0	6.0	6.5	7.4	9.4	0.0	8.4	0.0	0.0	4.6	8.1	4.7	3.9	4.3	6.0	8.8	8.8	6.8	7.3	0.0	0.0	0.0	0.0	0.0	6.1	6.0	8.4	4.8
Judge's Discretion	**5**	**Evaluated based on demonstration and report**	3.75	3.25	0.25	0	0.625	1.75	1.375	1.5	0	1.75	0	0	0.375	1.5	0.75	0.5	0.5	1.25	1.5	2.75	0.875	0.875	0	0	0	0	0	0.75	0.5	1.125	0.5
Innovation Event - Total	**30**		24.3	21.9	7.7	0.0	8.0	14.7	18.0	19.1	0.0	20.8	0.0	0.0	5.7	17.2	6.9	4.7	8.4	8.9	14.1	22.3	9.5	9.3	0.0	0.0	0.0	0.0	0.0	11.6	8.1	16.9	5.9
Innovation - Rank			**1**	**3**	**18**	**23**	**17**	**9**	**6**	**5**	**23**	**4**	**23**	**23**	**21**	**7**	**19**	**22**	**15**	**14**	**10**	**2**	**12**	**13**	**23**	**23**	**23**	**23**	**23**	**11**	**16**	**8**	**20**
Women's Speed Event - Total	**12.5**		12.5	9.5	10.5	0.0	7.8	8.5	5.7	7.1	0.0	8.5	0.0	6.5	11.5	7.1	4.4	0.0	7.1	6.5	6.0	7.1	6.5	6.5	0.0	5.4	0.0	0.0	0.0	5.3	5.7	7.8	5.8
Fastest Non-Qualifying Time (s)	66.03		35.53	44.84	38.00	999.99	51.45	45.03	69.34	59.28	999.99	39.21	999.99	65.50	41.50	61.44	89.18	999.99	47.66	65.70	66.03	56.12	59.97	58.35	999.99	72.81	999.99	999.99	999.99	74.52	69.64	51.82	67.81
Women's Speed- Rank			**1**	**4**	**3**	**24**	**7**	**5**	**19**	**9**	**24**	**5**	**24**	**13**	**2**	**9**	**23**	**24**	**9**	**13**	**17**	**9**	**13**	**13**	**24**	**21**	**24**	**24**	**24**	**22**	**20**	**7**	**18**
Men's Speed Event - Total	**12.5**		12.5	7.1	10.5	0.0	6.5	7.8	8.5	7.1	0.0	11.5	0.0	5.7	9.5	7.1	6.5	0.0	8.5	0.0	5.8	5.2	6.0	5.3	0.0	7.8	0.0	0.0	0.0	7.1	6.5	6.5	5.3
Fastest Non-Qualifying Time (s)	46.21		31.94	37.00	38.99	999.99	43.67	40.17	42.02	43.51	999.99	40.25	999.99	48.69	38.42	42.19	43.14	999.99	38.66	999.99	48.14	52.92	46.21	52.12	999.99	41.36	999.99	999.99	999.99	63.49	44.03	45.21	52.28
Men's Speed - Rank			**1**	**9**	**3**	**23**	**13**	**7**	**5**	**9**	**23**	**2**	**23**	**19**	**4**	**9**	**13**	**23**	**5**	**23**	**18**	**22**	**17**	**20**	**23**	**7**	**23**	**23**	**23**	**9**	**13**	**13**	**21**
Endurance Event - Total	**25**		21.2	9.4	25.0	0.0	15.9	17.4	20.5	17.4	17.4	22.0	0.0	13.6	17.4	14.4	14.4	8.3	20.5	9.8	0.0	11.4	14.4	18.9	0.0	18.2	0.0	0.0	0.0	18.2	18.2	20.4	13.6
Laps Completed			28.00	13.00	33.00		21.00	23.00	27.00	23.00	23.00	29.00		18.00	23.00	22.00	19.00	11.00	27.00	13.00		15.00	19.00	25.00		24.00				24.00	24.00	27.00	18.00
Lap Length (km)	1.758																																
Illegal Start Assistance (m)	500			1000																													
Damage or Loss of Parcel (m)	up to 500																																
Failure to Stop at Stop Sign (m)	500																																
Safety Violation [Laps]	1 or more																																
Min Driver Lap Violation [Laps]	1														3																		
Max Driver Lap Violation [Laps]	1																																
Endurance - Rank			**3**	**23**	**1**	**25**	**15**	**11**	**5**	**12**	**12**	**2**	**25**	**19**	**14**	**17**	**18**	**24**	**4**	**22**	**25**	**21**	**16**	**7**	**25**	**8**	**25**	**25**	**25**	**9**	**10**	**6**	**20**
Overall - Total	**100**		87.24	63.30	69.52	0.00	55.52	65.61	68.60	66.30	17.42	79.35	0.00	35.82	56.57	57.55	46.69	11.47	53.28	39.56	36.30	59.38	48.48	49.61	0.00	39.73	0.00	0.00	0.00	59.34	50.46	67.85	38.91
Overall - Rank			**1**	**8**	**3**	**26**	**13**	**7**	**4**	**6**	**24**	**2**	**26**	**23**	**12**	**11**	**18**	**25**	**14**	**20**	**22**	**9**	**17**	**16**	**26**	**19**	**26**	**26**	**26**	**10**	**15**	**5**	**21**