2019 HPVC North Results

V2 4/8/2109

		School	Dakota State University	sity of Southern Indiana	Univeristy of Pittsburgh	neering, York Unviversity	University of Rochester	University of Vermont	Technological University	University Edwardsville	Lamar University	Clarkson University	ity of Central Oklahoma	f Puerto Rico Mayaguez	ico - Mayaguez Campus	versity of South Florida	George mason University	The University of Alabama	Harvard
		Vehicle	Quack Jac	The Screa	Panther 3	The Black	Vespula	X-Drive	Tennessee	Spirit of Ed	Wheels Of	Two Peas	Broncho P	El Macho	CAAMbea	Rocky's Bu	Ultimatum	The Hound	Crimson C
	Vehicle Count = 50	№	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
	Design Event																		
	General	**5**	5.00	1.00	0.00	5.00	5.00	5.00	5.00	5.00	5.00	0.00	4.50	5.00	5.00	5.00	5.00	5.00	5.00
	Design	**15**	11.83	3.00	0.00	9.17	13.00	3.00	4.83	12.67	6.50	6.50	11.67	6.83	9.50	5.67	7.67	12.50	9.50
	Analysis	**25**	19.00	4.17	0.00	11.83	21.00	9.00	12.67	22.00	12.83	5.50	14.17	12.00	20.67	13.00	9.50	17.67	14.17
	Testing	**25**	23.67	0.33	0.00	12.67	12.17	7.67	7.67	9.50	0.67	0.00	10.33	12.33	15.33	0.50	0.67	19.33	9.67
	Safety	**20**	17.17	14.50	0.00	14.67	16.67	13.83	16.63	14.17	13.50	0.00	13.67	16.17	16.50	0.00	11.25	17.50	14.67
	Aesthetics	**10**	3.50	4.00	0.00	3.00	6.00	4.00	5.50	3.20	3.00	0.00	3.50	3.50	5.50	3.00	5.50	3.50	4.00
	Design Event - Raw Score	**100**	**80.17**	**23.49**	**0.00**	**21.41**	**73.83**	**42.50**	**52.30**	**66.53**	**41.50**	**10.80**	**57.83**	**55.83**	**72.50**	**27.17**	**34.83**	**75.50**	**57.00**
	Design Event - Total	**50**	**40.08**	**11.75**	**0.00**	**10.70**	**36.92**	**21.25**	**26.15**	**33.27**	**20.75**	**5.40**	**28.92**	**27.92**	**36.25**	**13.58**	**17.42**	**37.75**	**28.50**
done	Report content largely non-original	100%																	
done	Late Report Submission (per day)	2.5%		8.0%		60.0%											12.0%		
done	Late for Static Judging or Safety Check	10%			10.0%							10.0%							
done	Over Page Limit (per page)	3%																	
done	Report Does Not Conform to Outline	10%																	
done	Missing cover page or 3 View	5%		5.0%		2.0%													
done	Video late (per day)	0.5%																	
done	Video over time limit	5%																	
	Design - Rank		**3**	**36**	**44**	**37**	**6**	**27**	**23**	**14**	**28**	**41**	**19**	**21**	**9**	**35**	**33**	**5**	**20**
	Women's Speed Event - Total	**12.5**	**10.80**	**6.50**	**0.00**	**3.92**	**4.99**	**5.60**	**6.00**	**8.20**	**4.60**	**0.00**	**5.15**	**5.67**	**5.59**	**0.00**	**0.00**	**6.50**	**5.46**
	Fastest Non Qualifying Time (s)	*37.60*																	
	Women's Speed- Rank		**3**	**13**	**35**	**32**	**27**	**21**	**17**	**7**	**29**	**35**	**26**	**20**	**22**	**35**	**35**	**13**	**23**
	Men's Speed Event - Total	**12.5**	**9.90**	**4.19**	**0.00**	**2.32**	**5.92**	**7.40**	**5.44**	**7.40**	**5.87**	**0.00**	**6.50**	**5.17**	**1.80**	**0.00**	**9.10**	**1.17**	**5.19**
	Fastest Non Qualifying Time (s)	*30.02*																	
	Men's Speed - Rank		**4**	**31**	**36**	**32**	**19**	**9**	**24**	**9**	**20**	**36**	**13**	**28**	**34**	**36**	**5**	**35**	**27**
	Endurance Event - Total	**25**	**23.04**	**13.55**	**0.00**	**7.82**	**12.24**	**19.69**	**13.45**	**13.61**	**12.34**	**0.00**	**14.40**	**14.19**	**12.63**	**0.00**	**6.22**	**19.30**	**3.93**
	Laps Completed		54.00	33.00		19.00	33.00	46.00	34.00	37.00	29.00		36.00	35.00	30.00		23.00	47.00	31.00
	Finish time (hr)		2.5133	2.4975	0.0000	2.5031	2.5097	2.5411	2.5575	2.5039	2.5022	0.0000	2.5025	2.5397	2.5711	0.0000	2.5575	2.5267	2.5242
	Lap Length (km)	*0.94*																	
	Avg Speed [minus penalties & plus bonus] (km/h)		20.8	12.2	0.0	7.1	11.0	17.8	12.1	12.3	11.1	0.0	13.0	12.8	11.4	0.0	5.6	17.4	3.5
	Avg Speed [minus penalties & plus bonus] (mph)		12.9	7.6	0.0	4.4	6.9	11.0	7.5	7.6	6.9	0.0	8.1	8.0	7.1	0.0	3.5	10.8	2.2
	Weighted Trailer Bonus Laps [Laps]		2.00					2.00			2.00			2.00	2.00				
	Illegal Start Assistance (m)	200																	
	Failure to Stop at Stop Sign, Complete Slalom, Hairpin Turn, Speed Bump, Rumble Strip or Quick Turn (m)	200	400	500		200	500			3,100	1,300	500	400	400	800		700	200	1,400
	Safety Violation [Laps]	1 or more					1		1	1			1	2					
	Absence Driver Meeting [Laps]	1																	
	Min/Max Driver Lap Violation [Laps]	1					2										7		20
	Endurance - Rank		**2**	**21**	**36**	**31**	**27**	**7**	**23**	**20**	**26**	**36**	**17**	**18**	**25**	**36**	**33**	**8**	**34**
	Overall - Total	**100**	**83.83**	**35.98**	**0.00**	**24.77**	**60.06**	**53.94**	**51.04**	**62.48**	**43.56**	**5.40**	**54.97**	**52.94**	**56.27**	**13.58**	**32.73**	**64.72**	**43.08**
	Overall - Rank		**3**	**32**	**44**	**34**	**14**	**19**	**24**	**11**	**29**	**41**	**18**	**20**	**17**	**38**	**33**	**9**	**31**

	University of Florida	andria University /Egypt	University of Akron	Michigan State University	University of Georgia	University of Toronto	Science and Technology	Binghamton University	sylvania State University	Institute of Technology	Assiut University	Liberty University	Belmont university	Ohio University	Lamar University	University of Oklahoma	of Wisconsin-Milwaukee
Vehicle	AllezGator	Tachyons	Harambe	Spartan Ra	JunkYardD	Zephyr	Cycleange	JEGAS Be	White Out	To be dete	Vikings	LU 5.0	BEAR Mob	Lynx	Raging Cy	Boomer Zo	JJ
№	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
Design Event																	
General	5.00	5.00	5.00	5.00	0.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	0.00	5.00	5.00	5.00	5.00
Design	12.00	11.50	13.00	6.17	3.00	13.33	10.00	9.33	10.83	11.67	11.33	9.33	0.00	13.00	9.67	6.67	11.17
Analysis	21.83	19.33	21.33	3.83	0.33	16.83	16.33	15.00	7.00	10.17	11.00	20.33	0.00	22.67	11.67	7.50	16.83
Testing	9.00	16.33	21.67	3.33	0.00	18.00	13.33	2.17	2.00	7.83	0.00	12.50	0.00	24.00	12.50	0.00	6.00
Safety	18.33	15.17	18.67	18.00	0.00	17.33	17.00	14.33	15.33	13.50	11.17	18.17	0.00	19.00	15.83	0.83	17.42
Aesthetics	6.50	4.50	8.50	6.00	0.00	7.20	3.00	5.00	2.50	3.00	3.50	6.00	0.00	5.50	3.00	0.00	6.40
Design Event - Raw Score	**72.67**	**71.83**	**88.17**	**41.28**	**3.00**	**77.70**	**61.43**	**50.83**	**42.67**	**48.10**	**37.38**	**71.33**	**0.00**	**89.17**	**55.36**	**18.00**	**59.36**
Design Event - Total	**36.33**	**35.92**	**44.08**	**20.64**	**1.50**	**38.85**	**30.72**	**25.42**	**21.33**	**24.05**	**18.69**	**35.67**	**0.00**	**44.58**	**27.68**	**9.00**	**29.68**
Report content largely non-original																	
Late Report Submission (per day)										4.0%			4.0%		4.0%		5.0%
Late for Static Judging or Safety Check					10.0%						10.0%		10.0%			10.0%	
Over Page Limit (per page)																	
Report Does Not Conform to Outline							5.0%										
Missing cover page or 3 View																	
Video late (per day)				2.5%						2.0%	1.0%						0.50%
Video over time limit																	
Design - Rank	**8**	**10**	**2**	**29**	**43**	**4**	**16**	**24**	**26**	**25**	**31**	**12**	**44**	**1**	**22**	**38**	**18**
Women's Speed Event - Total	**5.87**	**6.50**	**4.03**	**9.10**	**0.00**	**12.50**	**9.10**	**5.81**	**4.07**	**7.40**	**0.00**	**9.90**	**0.00**	**11.60**	**4.63**	**0.00**	**5.45**
Fastest Non Qualifying Time (s)																	
Women's Speed- Rank	**18**	**13**	**31**	**5**	**35**	**1**	**5**	**19**	**30**	**9**	**35**	**4**	**35**	**2**	**28**	**35**	**24**
Men's Speed Event - Total	**8.20**	**6.00**	**11.60**	**5.86**	**0.00**	**12.50**	**7.40**	**5.34**	**5.98**	**5.32**	**0.00**	**9.10**	**0.00**	**10.80**	**5.71**	**0.00**	**8.20**
Fastest Non Qualifying Time (s)																	
Men's Speed - Rank	**7**	**17**	**2**	**21**	**36**	**1**	**9**	**25**	**18**	**26**	**36**	**5**	**36**	**3**	**22**	**36**	**7**
Endurance Event - Total	**17.59**	**13.21**	**19.70**	**16.84**	**0.00**	**25.00**	**17.21**	**9.92**	**11.81**	**10.82**	**0.00**	**22.40**	**0.00**	**22.79**	**13.62**	**0.00**	**14.84**
Laps Completed	44.00	34.00	48.00	41.00		62.00	42.00	30.00	31.00	30.00		55.00		55.00	32.00		37.00
Finish time (hr)	2.5381	2.5489	2.5169	2.5381	0.0000	2.5225	2.5053	2.5292	2.5481	2.5219	0.0000	2.5050	0.0000	2.5050	2.5194	0.0000	2.5244
Lap Length (km)																	
Avg Speed [minus penalties & plus bonus] (km/h)	15.9	11.9	17.8	15.2	0.0	22.5	15.5	9.0	10.7	9.8	0.0	20.2	0.0	20.6	12.3	0.0	13.4
Avg Speed [minus penalties & plus bonus] (mph)	9.9	7.4	11.0	9.4	0.0	14.0	9.6	5.6	6.6	6.1	0.0	12.6	0.0	12.8	7.6	0.0	8.3
Weighted Trailer Bonus Laps [Laps]															2.00		
Illegal Start Assistance (m)																	
Failure to Stop at Stop Sign, Complete Slalom, Hairpin Turn, Speed Bump, Rumble Strip or Quick Turn (m)	1,100	1,600	400			1,400	600	1,800	2,000	1,700		1,100		200	1,000		1,000
Safety Violation [Laps]								1		2							
Absence Driver Meeting [Laps]																	
Min/Max Driver Lap Violation [Laps]								3									
Endurance - Rank	**11**	**24**	**6**	**13**	**36**	**1**	**12**	**30**	**28**	**29**	**36**	**4**	**36**	**3**	**19**	**36**	**16**
Overall - Total	**67.99**	**61.62**	**79.41**	**52.43**	**1.50**	**88.85**	**64.42**	**46.49**	**43.19**	**47.59**	**18.69**	**77.06**	**0.00**	**89.78**	**51.64**	**9.00**	**58.17**
Overall - Rank	**8**	**13**	**4**	**21**	**43**	**2**	**10**	**27**	**30**	**25**	**35**	**5**	**44**	**1**	**22**	**39**	**15**

	e School of Engineering	Union College	Cairo university	College of Engineering	Grove City College	Washington University	Lamar University	f Mines and Technology	Marquette University	West Virginia University	ity of Wisconsin-Madison	Institute of Technology	ersity of Central Florida	Mississippi State	University of Kentucky	UA Little Rock
Vehicle	Super Nov	No-Fairing	Gazella	T-bone	The Trikef	Eagles	The Whee	Kinesthetic	Not Fast, J	Busted Nu	The Carbo	Night Hawk		The Finisher		Trojan
№	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50
Design Event																
General	5.00	0.00	5.00	0.00	0.00	0.00	3.50	0.00	5.00	5.00	5.00	2.00	5.00	0.00	0.00	5.00
Design	12.00	0.00	10.83	0.00	0.00	0.00	6.17	3.33	12.33	13.67	11.83	8.17	9.83	0.00	0.00	4.83
Analysis	13.67	0.00	19.00	0.00	0.00	0.00	7.50	5.17	15.33	18.17	17.67	8.00	18.00	0.00	0.00	7.50
Testing	4.50	0.00	12.50	0.00	0.00	0.00	0.00	2.33	13.33	16.50	16.83	0.00	5.50	0.00	0.00	5.50
Safety	0.00	0.00	15.42	0.00	0.00	0.00	16.08	0.00	16.67	15.33	15.67	0.00	17.50	10.00	0.00	11.67
Aesthetics	0.00	0.00	3.00	0.00	0.00	0.00	4.00	0.00	5.00	4.50	4.50	0.00	7.50	4.00	0.00	3.00
Design Event - Raw Score	**31.65**	**0.00**	**65.75**	**0.00**	**0.00**	**0.00**	**35.39**	**9.75**	**67.67**	**73.17**	**71.50**	**14.72**	**60.80**	**14.00**	**0.00**	**37.50**
Design Event - Total	**15.83**	**0.00**	**32.88**	**0.00**	**0.00**	**0.00**	**17.69**	**4.88**	**33.83**	**36.58**	**35.75**	**7.36**	**30.40**	**7.00**	**0.00**	**18.75**
Report content largely non-original																
Late Report Submission (per day)		16.0%										4.0%	4.0%			
Late for Static Judging or Safety Check	10.0%	10.0%		10.0%	10.0%	10.0%		10.0%				10.0%			10.0%	
Over Page Limit (per page)																
Report Does Not Conform to Outline																
Missing cover page or 3 View							5.0%					5.0%				
Video late (per day)																
Video over time limit																
Design - Rank	**34**	**44**	**15**	**44**	**44**	**44**	**32**	**42**	**13**	**7**	**11**	**39**	**17**	**40**	**44**	**30**
Women's Speed Event - Total	**0.00**	**0.00**	**3.06**	**0.00**	**0.00**	**0.00**	**7.40**	**0.00**	**8.20**	**6.50**	**7.40**	**0.00**	**5.27**	**2.12**	**0.00**	**7.40**
Fastest Non Qualifying Time (s)																
Women's Speed- Rank	**35**	**35**	**33**	**35**	**35**	**35**	**9**	**35**	**7**	**13**	**9**	**35**	**25**	**34**	**35**	**9**
Men's Speed Event - Total	**0.00**	**0.00**	**2.00**	**0.00**	**0.00**	**0.00**	**5.66**	**0.00**	**6.50**	**5.09**	**6.50**	**0.00**	**6.50**	**4.44**	**0.00**	**7.40**
Fastest Non Qualifying Time (s)																
Men's Speed - Rank	**36**	**36**	**33**	**36**	**36**	**36**	**23**	**36**	**13**	**29**	**13**	**36**	**13**	**30**	**36**	**9**
Endurance Event - Total	**0.00**	**0.00**	**6.36**	**0.00**	**0.00**	**0.00**	**16.53**	**0.00**	**20.03**	**13.50**	**19.30**	**0.00**	**15.13**	**3.35**	**0.00**	**18.01**
Laps Completed			18.00				39.00		49.00	33.00	45.00		37.00	9.00		44.00
Finish time (hr)	0.0000	0.0000	2.5297	0.0000	0.0000	0.0000	2.5181	0.0000	2.5497	2.4981	2.5267	0.0000	2.5128	2.5708	0.0000	2.5028
Lap Length (km)																
Avg Speed [minus penalties & plus bonus] (km/h)	0.0	0.0	5.7	0.0	0.0	0.0	14.9	0.0	18.1	12.2	17.4	0.0	13.6	3.0	0.0	16.2
Avg Speed [minus penalties & plus bonus] (mph)	0.0	0.0	3.6	0.0	0.0	0.0	9.3	0.0	11.2	7.6	10.8	0.0	8.5	1.9	0.0	10.1
Weighted Trailer Bonus Laps [Laps]							2.00				2.00					
Illegal Start Assistance (m)																
Failure to Stop at Stop Sign, Complete Slalom, Hairpin Turn, Speed Bump, Rumble Strip or Quick Turn (m)			2,400				1,000			600	200		500	700		700
Safety Violation [Laps]																
Absence Driver Meeting [Laps]																
Min/Max Driver Lap Violation [Laps]																
Endurance - Rank	**36**	**36**	**32**	**36**	**36**	**36**	**14**	**36**	**5**	**22**	**8**	**36**	**15**	**35**	**36**	**10**
Overall - Total	**15.83**	**0.00**	**44.30**	**0.00**	**0.00**	**0.00**	**47.28**	**4.88**	**68.56**	**61.67**	**68.95**	**7.36**	**57.30**	**16.91**	**0.00**	**51.56**
Overall - Rank	**37**	**44**	**28**	**44**	**44**	**44**	**26**	**42**	**7**	**12**	**6**	**40**	**16**	**36**	**44**	**23**