

## SWEEPSTAKES 2012



92 YEARS OF ENGINEERING & ATHLETIC EXCELLENCE  
[@cmu\\_buggy](#)



**BUGGYALUMNI**  
ASSOCIATION  
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### APEX



Insite 2003  
(Borrowed from Fringe)

### ΣAE



Rubicon 1999

### AETT



Kamikaze 2009



Zephyrus 2007

### Delta Force



Perun 2007  
(Borrowed from KDR)

### ΣΦΕ



Mamba 2011



Peregrine 2010



Barracuda 2009



Pandora 2006

### TKA



Raptor 2011



Chimera 2008



Zeus 2000

### CIA



Orca 2012



Ascension 2011



Freyja 2010



Firebird 2004



Quasar 2002

### FRINGE



Bissa 2012



Bonsai 2011



Borealis 2010



Bedlam 2009

### SDC



Bane 2011



Avarice 2010



Malice 2009



Rage 1996

### ΣN



Bungarus Krait 2009

### Spirit



Mapambazuko 2011



Seraph 2004



Kufa Haraka 1995

# DESIGN COMPETITION

## ABOUT THE DESIGN COMPETITION JUDGES

**JOHN WESNER:** (E'58/68) He is presently an "Adjunct Fellow" in CMU's ICES (Institute for Complex Engineered Systems). Before coming to CMU in 2000 to share his many years of experience doing and leading Engineering Design, he worked for 31 years at Bell Laboratories on the physical design of communications products (like telephones). He has a BS and PhD in Mechanical Engineering from Carnegie, and an MS in MechE from Caltech. He recruited at CMU for Bell Labs for more than 20 years.

**HENRY THORNE:** (E'82/84, TPR'00) Chief Technology Officer and co-founder of 4Moms. Creator of the Tug hospital delivery robot and the Origami Power Folding Stroller. Founder of the CMU Intramural Ultimate league.

**MICHAEL BOYER:** (E'95) Michael Boyer was born in Pittsburgh, Pennsylvania and graduated Valedictorian from Penn Hills Senior High School. He graduated from Carnegie Mellon University with degrees in Mechanical Engineering and in Engineering & Public Policy. While attending CMU, Michael was both a Project Chairman and a Student Chapter President of the Society of Automotive Engineers. After his junior year, Michael was hired as an intern by Chrysler and returned there to a full time engineering position after graduation. In his 17 years at Chrysler, Michael has worked in diverse engineering areas with exposure to many of their high volume vehicle production facilities. He has worked in system and component engineering in the areas of Chassis, Body, and Interior. Michael holds several patents in automotive seating and storage, and currently is Lead Responsible for Chassis & Engine System Vehicle Integration & Validation across all Chrysler, Dodge, Jeep, Ram, and Fiat vehicles. Additionally, he has competed with teams in the NASCAR Regional Racing Series and the Craftsman Truck Series.

**CHRIS WINKLER:** (E'86) Chris Winkler was born in Washington, D.C. and attended Walt Whitman High School in Bethesda, MD. He graduated from Carnegie Mellon University with a degree in Mechanical Engineering and was Captain of CMU's Tennis team his senior year. He joined Chrysler Engineering after graduation and has worked in the areas of Design, Releasing, and Vehicle Dynamics, and is currently an SRT Dynamics Engineer on both the Viper and Challenger/Charger/300 SRT-8 platforms. Chris has won SCCA's Formula Ford National Championship as well as numerous professional automobile races in series ranging from Sedan to open-wheel Formula cars. He is also a competitive motorcycle road racer and is currently a reigning State of Michigan Cyclocross bike racing Champion in his age group.

**THANKS TO CHRYSLER FOR THEIR SUPPORT OF RACEDAY 2012!**

# FRIDAY'S RACES

## WOMEN'S

First heat at 8:10 am

	LANE 1	LANE 2	LANE 3
1	SDC C (2:54.36)	CIA C (4:35.37)	Fringe C (3:28.21)
2	Spirit A (DNF)	SDC D (3:12.99)	Apex A (DNC)
3	SigEp A (2:50.90)	Fringe B (3:03.91)	CIA B (3:37.46)
4	Pika A (2:41.12)	Delta Force A (DNC)	SigEp B (3:12.82*)
5	SDC B (2:42.03)	CIA D (DNC)	Spirit B (2:59.82)
6	Fringe A (2:35.07)	SigEp C (DNC)	SAE A (3:14.35)
7	SDC A (2:34.96)	CIA A (2:57.53)	AEPi A (3:38.88*)

## RECORDS

**WOMEN:** 2:25.60 SDC 2009

**MEN:** 2:03.30 SDC 2009

## MEN'S

First heat at 9:40 am

	LANE 1	LANE 2	LANE 3
1	Fringe B (2:19.14)	SigEp C (2:30.34)	Spirit C (DNF)
2	Pika B (DNF)	SDC D (2:28.78)	CIA D (3:21.90)
3	Spirit A (2:16.52)	APEX A (DNC)	Fringe D (DNC)
4	SDC C (2:15.21)	SigNu A (DNF)	CIA B (2:41.80)
5	SigEp A (2:10.33*)	AEPi B (3:10.49*)	Fringe C (2:25.00*)
6	SDC B (2:09.67)	SAE A (2:31.57)	CIA C (2:58.75)
7	PIKA A (2:08.87*)	SigEp D (2:43.47)	Spirit B (2:17.73)
8	Fringe A (2:05.08)	CIA A (2:24.93)	Delta Force A (DNC)
9	SDC A (2:06.18)	AEPi A (2:41.12)	SigEp B (2:20.19)

- Teams listed with time from 2011 where applicable.
- DNC indicates team did not compete in 2011.
- DNF indicates team did not finish the race in 2011.
- \* indicates team was disqualified for lane, starting, or safety violations, loss of mass during race, pacing pushers, missing the pushbar at the finish line, or other violations

## RACEDAY GUIDE SPONSORED IN-PART BY:

### City of Champions Chiropractic, LLC

As a CMU alum (S'07) and buggy enthusiast, I would like to thank all fans and participants of buggy with a 25% discount off of your next visit at City of Champions Chiropractic- where you always get treated like a champ!

**Dr. Benjamin Meyers**

(724)-759-7461

[CityOfChampionsChiropractic.com](http://CityOfChampionsChiropractic.com)

# SCHEDULE OF EVENTS:

## THURSDAY:

10am-2pm: Design Competition  
(UC Wiegand Gym)

8pm: Buggy Alumni at Hough's  
(Hough's, 563 Greenfield Ave)

## FRIDAY:

8am-12pm: Preliminary Races  
(Tech and Frew St.)

9-11am: CIT Buggy Breakfast (Singleton Room, REH)

12:30pm: Buggy Alumni Reception  
(Coffee Lounge, Baker Hall)

\*Registration Required/Event fee: Non-members-\$10, Members & Children under 12 -free

1:30pm: Everything I Know About Innovation I Learned From Buggy  
(Giant Eagle Auditorium, Baker Hall)

3-4pm: Buggy and Patent Law? Really?  
(Giant Eagle Auditorium, Baker Hall)

## SATURDAY:

8am-9am: Alumni and Exhibition Races  
(Tech and Frew St.)

9am-12pm: Finals Races (Tech and Frew St.)

6pm: Awards Ceremony (Main Tent, Midway)

## SUNDAY:

10am: BAA Morning-After Breakfast  
(Smallman St. Deli, 1912 Murray Ave.)

Spring Carnival  
& Reunion Weekend



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PLAID TO THE BONE