The 19TH Annual Intelligent Ground Vehicle Competition

Oakland University Rochester, Michigan June 3rd-6th, 2011

Autonomous Challenge

(Course length was 624 feet.)

1. University of Delaware Team: Warthog

Distance: 565 feet Time: 4:35 minutes Award: \$3,000

2. Hosei University Team: Active 2011

Distance: 488 feet Time: 5:00 minutes Award: \$2,000

3. Georgia Institute of Technology Team: Roxi

Distance: 388 feet Time: 3:52 minutes Award: \$1,000

4. California State University - Northridge Team: Red Raven

Distance: 375 feet Time: 2:46 minutes

Award: \$750

5. Trinity College Team: Q

Distance: 297 feet Time: 3:45 minutes

Award: \$500

6. University of Central Florida Team: Automaton

Distance: 266 feet Time: 2:50 minutes

Award: \$250

7. Bob Jones University Team: Firebrand

Distance: 176 feet Time: 1:05 minutes

8. Missouri University of Science and Technology Team: Jomegatron

Distance: 174 feet Time: 1:31 minutes 9. The Citadel Team: CLETIS

Distance: 173 feet Time: 0:48 minutes

10. United States Naval Academy Team: Robo-Goat

Distance: 167 feet Time: 1:40 minutes

11. Oakland University Team: Botzilla

Distance: 134 feet Time: 1:17 minutes

12. École de technologie supérieure Team: Minotaurus

Distance: 113 feet Time: 1:13 minutes

13. Worcester Polytechnic Institute Team: Prometheus

Distance: 96 feet Time: 1:08 minutes

14. York College of Pennsylvania Team: Sparta

Distance: 94 feet Time: 1:07 minutes

15. Bob Jones University Team: Fortunatus

Distance: 90 feet Time: 1:10 minutes

16. Tennessee Technological University Team: Andros

Distance: 82 feet Time: 0:49 minutes

17. Embry-Riddle Aeronautical University Team: Reagle

Distance: 47 feet Time: 1:00 minutes

18. Stony Brook University Team: Tina 2.1

Distance: 41 feet Time: 1:00 minutes

19. SUNY University at Buffalo Team: Big Blue

Distance: 35 feet Time: 0:20 minutes

20. Embry-Riddle Aeronautical University Team: Molle Bot

Distance: 27 feet Time: 0:11 minutes 21. Princeton University

Distance: 25 feet Time: 0:21 minutes Team: Phobetor

22. Stony Brook University

Distance: 24 feet Time: 0:19 minutes Team: Project 14

23. German Jordanian University

Distance: 9 feet Time: 0:08 minutes Team: JO-CAR

Design Competition

<u>Finalist</u>

1. California State University - Northridge

Score: 407.56/480 Award: \$3,000 Team: Red Raven

Team: Indrik

2. University of Waterloo

Score: 403.78/480 Award: \$2,000

3. Oakland University Team: Botzilla

Score: 386.67/480 Award: \$1,000

4. York College of Pennsylvania Team: Sparta

Score: 379.33/480 Award: \$750

5. Embry Riddle Aeronautical University Team: Molle Bot

Score: 378.33/480 Award: \$500

6. University of Wisconsin - Madison Team: Singularity

Score: 341.78/480

Award: \$100

Design Group A

1. University of Wisconsin - Madison Team: Singularity

Score: 1082.33/1200

2. Oakland University Team: Botzilla

Score: 1034.67/1200

3. Princeton University Team: Phobetor

Score: 1028.67/1200

4. Worchester Polytechnic Institute Team: Prometheus

Score: 1023.67/1200

5. Embry Riddle Aeronautical University Team: Reagle III

Score: 1003.33/1200

6. Trinity College Team: Q

Score: 967.00/1200

7. Rose-Hulman Institute of Technology Team: Moxom's Master

Score: 932.22/1200

8. Bob Jones University Team: Firebrand

Score: 914.67/1200

9. Stony Brook University Team: Project 14

Score: 879.00/1200

10. M.S. Ramaiah Institute of Technology Team: MOKSHA

Score: 870.00/1200

11. University of Delaware Team: Warthog

Score: 833.33/1200

12. University of Cincinnati Team: Bearcat Cub II

Score: 632.33/1200

13. Virginia Polytechnic Institute and State University Team: VT-MAGV

Score: 560.00/1200

Design Group B

1. California State University - Northridge Team: Red Raven

Score: 1157.33/1200

2. Embry Riddle Aeronautical University Team: Molle Bot

Score: 1146.00/1200

3. City College of New York Team: CATA

Score: 1106.00/1200

4. Missouri University of Science and Technology Team: Jomegatron

Score: 1093.67/1200

5. University of Central Florida Team: Automaton

Score: 1087.33/1200

6. University of Illinois - Chicago Team: Edt - Dyno

Score: 1064.33/1200

7. University of Texas - Austin Team: Enterpras

Score: 1061.33/1200

8. University at Buffalo Team: Big Blue

Score: 1029.33/1200

9. Bob Jones University Team: Forunatis

Score: 1018.33/1200

10. German Jordanian University Team: JO-CAR

Score: 931.33/1200

11. University of Massachusetts - Lowell Team: MCP III.5

Score: 899.00/1200

12. Michigan Technological University

Team: Techie II

Score: 713.33/1200

Design Group C

1. York College of Pennsylvania Team: Sparta

Score: 1033.83/1200

2. University of Waterloo Team: Indrik

Score: 1016.00/1200

3. Rutgers University Team: Navigator

Score: 992.67/1200

4. The Citadel Team: CLETIS

Score: 973.00/1200

5. Hosei University Team: Active 2011

Score: 874.00/1200

6. Lawrence Technological University Team: vuLTUure

Score: 858.50/1200

7. Bluefield State College Team: ARCHON

Score: 839.17/1200

8. United States Naval Academy

Score: 825.33/1200

9. Tennessee Technological University Team: Andros

Score: 767.00/1200

10. University of Illinois - Chicago Team: EDT - Kratos

Team: Robo-Goat

Score: 710.00/1200

11. École de technologie supérieure Team: RS3

Score: 689.33/1200

12. Georgia Institute of Technology Team: Roxi

Score: 614.33/1200

13. University of Cincinnati Team: Bearcat Cub 1

Score: 574.67/1200

14. University of Massachusetts - Lowell Team: Stark

Score: 444.67/1200

15. Stony Brook University Team: Tina 2.1

Score: 369.33/1200

Navigation Challenge

1. California State University - Northridge Team: Red Raven

Waypoints: 4/5 Time: 2:26 Award: \$5,000

2. University of Central Florida Team: Automaton

Waypoints: 4/5 Time: 2:43 Award: \$4,000

3. University of Delaware Team: Warthog

Waypoints: 4/5 Time: 4:26 Award: \$3,000

4. Trinity College Team: Q

Waypoints: 3/5 Time: 2:23 Award: \$400 5. Hosei University

Waypoints: 3/5 Time: 3:27 Award: \$300

Team: Active 2011

6. Embry-Riddle Aeronautical University

Waypoints: 2/5 Time: 0:59 Award: \$200

Team: Reagle III

7. University of Waterloo

Waypoints: 2/5 Time: 1:51

Team: Indrik

8. The Citadel Waypoints: 1/5

Time: 0:08

Team: CLETIS

9. Oakland University

Waypoints: 1/5 Time: 0:14

Team: Botzilla

10. Embry-Riddle Aeronautical University

Waypoints: 1/5 Time: 0:18

Team: Molle Bot

11. Bob Jones University

Waypoints: 1/5 Time: 0:27

Team: Fortunatus

12. École de technologie supérieure

Waypoints: 1/5 Time: 0:30

Team: Minotarus

Team: Prometheus

13. Worchester Polytechnic Institute

Waypoints: 1/5 Time: 0:33

Team: Andros 14. Tennessee Technological University

Waypoints: 1/5 Time: 0:47

15. United States Naval Academy Team: Robogoat

Waypoints: 1/5 Time: 0:51

16. City College of New York

Waypoints: 1/5 Time: 2:55

Team: CATA

17. Bob Jones University

Waypoints: 0/5

Team: Firebrand

Team: Jomegatron

18. Missouri University of Science and Technology

Waypoints: 0/5

Team: Phobetor

19. Princeton University

Waypoints: 0/5

20. University of Texas - Austin Team: Enterpras

Waypoints: 0/5

21. Virginia Polytechnic Institute and State University

Team: VT-MAGV

Waypoints: 0/5

JAUS Challenge

1. Hosei University Team: Active 2011

Points: 60

Time: 28 seconds Award: \$4,000

2. University of Central Florida Team: Automaton

Points: 60

Time: 30 seconds Award: \$3,000

3. Oakland University Team: Botzilla

Points: 54 Award: \$2,000

4. University of Waterloo Team: Indrik

Points: 52 Award: \$1,000

4. Embry-Riddle Aeronautical University Team: Reagle

Points: 52 Award: \$1,000

4. University of Wisconsin - Madison Team: Paradroid

Points: 52 Award: \$300 4. Lawrence Technological University Team: vulture

Points: 52 Award: \$300

8. Trinity College Team: Q

Points: 51.5

9. Worcester Polytechnic Institute Team: Prometheus

Points: 50

10. California State University - Northridge Team: Red Raven

Points: 30

Rookie of the Year Award

The Citadel Team: CLETIS

Award: \$500

<u>Grand Award</u>
1. California State University - Northridge Team: Red Raven

Points: 72

Award: Lescoe Cup

2. University of Central Florida Team: Automaton

Points: 54

Award: Lescoe Trophy

3. Hosei University Team: Active 2011

Points: 48

Award: Lescoe Award

3. University of Delaware Team: Warthog

Points: 48

Award: Lescoe Award

4. Oakland University Team: Botzilla

Points: 32

4. University of Waterloo Team: Indrik

Points: 32

5. Georgia Institute of Technology Team: Roxi

Points: 16

6. Trinity College Team: Q

Points: 14

6. Embry-Riddle Aeronautical University Team: Reagle

Points: 14

7. York College of Pennsylvania Team: Sparta

Points: 12

8. Embry-Riddle Aeronautical University Team: Molle Bot

Points: 8

8. University of Wisconsin - Madison Team: Singularity

Points: 8

9. Lawrence Technological University Team: vuLTUre

Points: 6