

The 17TH Annual Intelligent Ground Vehicle Competition

Oakland University
Rochester, Michigan
June 5TH – 8TH, 2009

Autonomous Challenge

(Course length was 600 feet.)

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|---|-----------------------|
| 1. University of Delaware
Distance: 550 feet
Time: 5 minutes
Award: \$ 3,000 | Team: Warthog |
| 2. University of Detroit Mercy
Distance: 535 feet
Time: 5 minutes
Award: \$ 2,500 | Team: THOR PRO |
| 3. Bluefield State College
Distance: 526 feet
Time: 3 minutes 8 seconds
Award: \$ 2,000 | Team 1: Anassa V |
| 4. City College of New York
Distance: 437 feet
Time: 4 minutes 2
Award: \$ 1,500 | Team: Elvis |
| 5. Michigan Technological University
Distance: 379 feet
Time: 4 minutes 49 seconds
Award: \$ 1,000 | Team: BAMF |
| 6. Georgia Institute of Technology
Distance: 235 feet
Time: 5 minutes
Award: \$ 500 | Team: Candiii |
| 7. Embry-Riddle Aeronautical University
Distance: 220 feet
Time: 3 minutes 37 seconds | Team: Reagle 2.0 |
| 8. Lawrence Technological University
Distance: 201 feet
Time: 5 minutes | Team 1: Culture Shock |

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| 9. University of Wisconsin - Madison
Distance: 200 feet
Time: 3 minute 30 seconds | Team: Paratroid |
| 10. University of Cincinnati
Distance: 175 feet
Time: 5 minutes | Team: Bearcat Cub Micro |
| 11. Bob Jones University
Distance: 120 feet
Time: 3 minutes 54 seconds | Team: Dionysius |
| 12. Franklin W. Olin College of Engineering
Distance: 80 feet
Time: 1 minute 28 seconds | Team: Brian |
| 13. University of Massachusetts – Lowell
Distance: 105 feet
Time: 1 minute 6 seconds | Team: MCP III.5 |
| 14. University of Michigan – Dearborn
Distance: 84 feet
Time: 1 minute 24 seconds | Team 3: Wolf |
| 15. University of Michigan – Dearborn
Distance: 75 feet
Time: 58 seconds | Team 1: Raptor |
| 16. Princeton University
Distance: 75 feet
Time: 1 minute 12 seconds | Team: Argos |
| 17. University of Illinois - Chicago
Distance: 70 feet
Time: 2 minutes 45 seconds | Team: Enyo |
| 18. Trinity Collage
Distance: 70 feet
Time: 5 minutes | Team: Q |
| 19. École de technologie supérieure
Distance: 65 feet
Time: 2 minutes 45 seconds | Team: RS3 |
| 20. United States Naval Academy
Distance: 60 feet
Time: 54 seconds | Team: Robo-Goat |

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|---|-------------------|
| 21. Oakland University
Distance: 54 feet
Time: 22 seconds | Team: Moonwalker |
| 22. Tennessee Technological University
Distance: 53 feet
Time: 1 minute 6 seconds | Team: Andros |
| 23. California State University – Northridge
Distance: 50 feet
Time: 3 minutes | Team: NorMAN Jr |
| 24. Lawrence Technological University
Distance: 16 feet
Time: 14 seconds | Team 2: Viper II |
| 25. SUNY University at Buffalo
Distance: 16 feet
Time: 1 minute 15 seconds | Team: Big Blue |
| 26. California State University – Chico
Distance: 15 feet
Time: 15 seconds | Team: Step 5 |
| 27. University of Texas - Austin
Distance: 11 feet
Time: 10 seconds | Team: BlastyRAS++ |
| 28. Pennsylvania State University
Distance: 10 feet
Time: 24 seconds | Team 1: Lion One |
| 29. Pennsylvania State University
Distance: 10 feet
Time: 55 seconds | Team 2: Teletraan |
| 30. University of Waterloo
Distance: 7 feet
Time: 23 seconds | Team: lorek |

Design Competition

Finalist

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|---|-----------------|
| 1. University of Wisconsin - Madison
Score: 959.33/1100
Award: \$ 2,000 | Team: Paradroid |
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| 2. Embry-Riddle Aeronautical University
Score: 954.33/1100
Award: \$ 1,500 | Team: Reagle 2.0 |
| 3. Cornell University
Score: 946.85/1100
Award: \$ 400 | Team: CERATOPS |
| 4. Lawrence Technological University
Score: 942.20/1100
Award : \$750 | Team 1: Culture Shock |
| 5. California State University - Northridge
Score: 937.32/1100
Award: \$ 500 | Team: NorMAN Jr |
| 6. University of Detroit Mercy
Score: 894.30/1100
Award: \$ 250 | Team: THOR PRO |

Design Group A

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|---|-------------------|
| 1. Cornell University
Score: 948.5/1100 | Team: MineSweeper |
| 2. California State University - Northridge
Score: 922/1100 | Team: NorMAN Jr |
| 3. University of Detroit Mercy
Score: 906/1100 | Team: THOR PRO |
| 4. Lawrence Technological University
Score: 898.5/1100 | Team 2: Viper II |
| 5. Missouri University of Science and Technology
Score: 878/1100 | Team: Aluminator |
| 6. École de technologie supérieure
Score: 873.67/1100 | Team: RS3 |
| 7. California State University – Chico
Score: 853/1100 | Team: STEP 5 |
| 8. University of Delaware
Score: 850/1100 | Team: Warthog |
| 9. Franklin W. Olin College of Engineering
Score: 838.67/1100 | Team: Brian |

10. SUNY University at Buffalo Score: 831.67/1100	Team1: Big Blue
11. Pennsylvania State University Score: 803.33/1100	Team 2: Teletraan
12. Bluefield State College Score: 790.67/1100	Team 2: Archon
13. University of Florida Score: 788.33/1100	Team: OmniGator
14. Oakland University Score: 737.83/1100	Team: Moonwalker
15. University of Cincinnati Score: 718/1100	Team: Bearcat Cub Micro
16. Case Western Reserve University Score: 681/1100	Team 1: ALEN
17. Tennessee Technological University Score: 677.67/1100	Team: Andros
18. University of Texas – Arlington Score: 624.33/1100	Team: Crazy Horze
19. United States Naval Academy Score: 622/1100	Team: Robo-Goat
20. University of Michigan – Dearborn Score: 568.5/1100	Team 2: Rhino
21. Georgia Institute of Technology Score: 476.67/1100	Team: Candiii
22. Rose-Hulman Institute of Technology Score: 424.33/1100	Team: RATT
<u>Design Group B</u>	
1. Embry-Riddle Aeronautical University Score: 979/1100	Team: Reagle 2.0
2. University of Wisconsin - Madison Score: 959.5/1100	Team: Paradroid
3. Lawrence Technological University Score: 935.5/1100	Team 1: Culture Shock

4. Princeton University Score: 930/1100	Team: Argos
5. University of Nebraska Score: 913/1100	Team: INVADR
6. Pennsylvania State University Score: 904/1100	Team 1: Lion One
7. University of Waterloo Score: 897/1100	Team: lorek
8. University of Michigan – Dearborn Score: 875.5/1100	Team 1: Raptor
9. University of Illinois - Chicago Score: 867/1100	Team: Enyo
10. Michigan Technological University Score: 866.5/1100	Team: BAMF
11. Bluefield State College Score: 856.5/1100	Team 1: Anassa V
12. Trinity College Score: 797/1100	Team: Q
13. University of Texas - Austin Score: 795/1100	Team: BlastyRAS++
14. University of Massachusetts – Lowell Score: 771.5/1100	Team: MCP III.5
15. University of Michigan – Dearborn Score: 737/1100	Team 3: Wolf
16. City College of New York Score: 728/1100	Team: Elvis
17. Bob Jones University Score: 666/1100	Team: Dinosysius
18. Case Western Reserve University Score: 653/1100	Team 2: HARLIE
19. Wayne State University Score: 588/1100	Team: WAVE

20. Stony Brook University
Score: 505/1100

Team: TINA

21. Rochester Institute of Technology
Score: 471/1100

Team: AMOS III

Navigation Challenge

1. Princeton University
Waypoints: 9/9
Time: 6 minutes 13 seconds
Award: \$ 2,500

Team: Argos

2. University of Detroit Mercy
Waypoints: 8/9
Time: 6 minutes 10 seconds
Award: \$ 2,000

Team: THOR PRO

3. University of Delaware
Waypoints: 7/9
Time: 5 minutes 13 second
Award: \$ 1,500

Team: Warthog

4. Bluefield State College
Waypoints: 7/9
Time: 6 minutes 10 seconds
Award: \$ 1,000

Team 1: Anassa V

5. University of Massachusetts – Lowell
Waypoints: 6/9
Time: 3 minutes 3 seconds
Award: \$ 500

Team: MCP III.5

6. Lawrence Technological University
Waypoints: 6/9
Time: 3 minutes 22 seconds
Award: \$ 250

Team 1: Culture Shock

7. Embry-Riddle Aeronautical University
Waypoints: 5/9
Time: 2 minutes 40 seconds

Team: Reagle 2.0

8. Tennessee Technological University
Waypoints: 5/9
Time: 7 minutes 56 seconds

Team: Andros

9. United States Naval Academy Waypoints: 4/9 Time: 2 minutes 48 seconds	Team: Robo-Goat
10. University of Wisconsin - Madison Waypoints: 4/9 Time: 4 minutes 24 seconds	Team: Paradroid
11. Oakland University Waypoints: 4/9 Time: 6 minutes 25 seconds	Team: Moonwalker
12. California State University - Northridge Waypoints: 2/9 Time: 1 minute 28 seconds	Team: NorMan Jr
13. Bob Jones University Waypoints: 2/9 Time: 1 minute 30 seconds	Team: Dionysius
14. University of Cincinnati Waypoints: 2/9 Time: 3 minute 18 seconds	Team: Bearcat Cub Micro
15. SUNY University at Buffalo Waypoints: 1/9 Time: 7 seconds	Team: Big Blue
16. Franklin W. Olin College of Engineering Waypoints: 1/9 Time: 16 seconds	Team: Brian
17. Lawrence Technological University Waypoints: 1/9 Time: 30 seconds	Team 2: Viper 2
18. California State University – Chico Waypoints: 0/9	Team: Step 5
18. École de technologie supérieure Waypoints: 0/9	Team: RS3
18. Michigan Technological University Waypoints: 0/9	Team: BAMF
18. University of Michigan - Dearborn Waypoints: 0/9	Team 1: Raptor

18. University of Michigan – Dearborn
Waypoints: 0/9

Team 2: Rhino

18. University of Michigan – Dearborn
Waypoints: 0/9

Team 3: Wolf

18. University of Texas - Austin
Waypoints: 0/9

Team: BlastyRAS++

JAUS Challenge

Case Western Reserve University
Award: \$500

Team 2: HARLIE

Lawrence Technological University
Award: \$ 500

Team 2: Viper II

Princeton University
Award: \$ 500

Team: Argos

Rochester Institute of Technology
Award: \$ 500

Team: AMOS III

SUNY University at Buffalo
Award: \$ 500

Team: Big Blue

Tennessee Technological University
Award: \$ 500

Team: Andros

University of Detroit Mercy
Award: \$ 500

Team: THOR PRO

University of Florida
Award: \$ 500

Team: OmniGator

University of Waterloo
Award: \$ 500

Team: lorek

University of Wisconsin – Madison
Award: \$ 500

Team: Paradroid

Wayne State University
Award: \$ 500

Team: WAVE

Rookie of the Year Award

United States Naval Academy
Award: \$ 500

Team: Robo-Goat

Grand Award

1. University of Detroit Mercy Points: 80 Award: Lescoe Cup	Team: THOR PRO
2. University of Delaware Points: 72 Award: Lescoe Trophy	Team: Warthog
3. Bluefield State College Points: 50 Award: Lescoe Award	Team 1: Anassa V
4. Princeton University Points: 42	Team: Argos
5. University of Wisconsin – Madison Points: 30	Team: Paradroid
6. City College of New York Points: 24	Team: Elvis
7. Embry-Riddle Aeronautical University Points: 20	Team: Reagle 2.0
8. Lawrence Technological University Points: 18	Team 1: Culture Shock
9. Michigan Technological University Points: 16	Team: BAMF
10. University of Massachusetts – Lowell Points: 12	Team: MCP III.5
11. California State University - Northridge Points: 8	Team: NorMAN Jr
11. Cornell University Points: 8	Team: MineSweeper
11. Georgia Institute of Technology Points: 8	Team: Candiii
12. Lawrence Technological University Points: 6	Team 2: Viper II

12. Rochester Institute of Technology
Points: 6

Team: AMOS III

12. SUNY University at Buffalo
Points: 6

Team: Big Blue

12. Tennessee Technological University
Points: 6

Team: Andros

12. University of Waterloo
Points: 6

Team: lorek

12. Rochester Institute of Technology
Points: 6

Team: AMOS III

13. Case Western Reserve University
Points: 2

Team 2: HARLIE

13. University of Florida
Points: 2

Team: OmniGator

13. Wayne State University
Points: 2

Team: WAVE