The 15\textsuperscript{TH} Annual Intelligent Ground Vehicle Competition

Oakland University
Rochester, Michigan
June 8\textsuperscript{TH} - 11\textsuperscript{TH}, 2007

\textbf{Autonomous Challenge}
(Course length was 910 feet.)

1. Virginia Polytechnic Institute and State University  Team 2: Johnny-5
Distance: 853 feet  
Time: 5 minutes  
Prize: $ 3,000

Distance: 496 feet  
Time: 5 minutes  
Prize: $ 800

3. University of Detroit Mercy  Team: CAPACITOPS
Distance: 344 feet  
Time: 5 minutes  
Prize: $ 600

4. Virginia Polytechnic Institute and State University  Team 3: Polaris
Distance: 327 feet  
Time: 2 minutes 40 seconds

5. École de technologie supérieure  Team: RS3
Distance: 243 feet  
Time: 5 minutes  
Prize: $ 400

Distance: 211 feet 6 inches  
Time: 3 minutes 28 seconds  
Prize: $ 200

7. Georgia Institute of Technology  Team: Candi
Distance: 123 feet  
Time: 1 minute 42 seconds

8. The College of New Jersey  Team: AMBER
Distance: 100 feet  
Time: 2 minutes
9. Hosei University
Distance: 98 feet
Time: 53 seconds
Team: Omnix 2007

10. Bluefield State College
Distance: 90 feet
Time: 45 seconds
Team: Anassa III

11. Lawrence Technological University
Distance: 90 feet
Time: 1 minute 42 seconds
Team 2: H2Bot II

12. Trinity College
Distance: 88 feet
Time: 2 minutes 22 seconds
Team: Q

13. Bob Jones University
Distance: 82 feet
Time: 1 minute 49 seconds
Team: Balthasar

14. California State University – Northridge
Distance: 81 feet
Time: 1 minute 22 seconds
Team: LinBot

15. Cedarville University
Distance: 77 feet
Time: 45 seconds
Team: Yellow Jacket III

16. University of Wisconsin – Madison
Distance: 76 feet
Time: 49 seconds
Team: ReWIRED

17. University of Texas – Austin
Distance: 75 feet
Time: 1 minutes 18 seconds
Team: BlastyRAS

18. University of Cincinnati
Distance: 73 feet
Time: 2 minutes
Team: Bearcat Cub

19. University of Delaware
Distance: 36 feet
Time: 23 seconds
Team: Warthog

20. University of Missouri – Rolla
Distance: 23 feet
Time: 19 seconds
Team 1: Aluminator
21. University of Massachusetts – Lowell
Distance: 18 feet
Time: 18 seconds

**Design Competition**

**Finalist**
1. Lawrence Technological University
   Team: H2Bot II
   Score: 879/1100
   Prize: $2,000

2. Hosei University
   Team: Omnix 2007
   Score: 855.23/1100
   Prize: $1,500

3. University of Central Florida
   Team: Gamblore
   Score: 845.98/1100
   Prize: $200

3. Virginia Polytechnic Institute and State University
   Team: Polaris
   Score: 845.25/1100
   Prize: $875

5. California State University – Northridge
   Team: LinBot
   Score: 842/1100
   Prize: $500

6. Bluefield State College
   Team: Anassa III
   Score: 829.21/1100
   Prize: $250

**Design Group A**
1. Lawrence Technological University
   Team: H2Bot II
   Score: 855/1100

2. California State University – Northridge
   Team: LinBot
   Score: 834.5/1100

3. Virginia Polytechnic Institute and State University
   Team: Polaris
   Score: 822.5/1100

4. Virginia Polytechnic Institute and State University
   Team 1: Chimera
   Score: 822/1100

5. University of Missouri – Rolla
   Team 2: Stereo Opticon
   Score: 803/1100
6. Virginia Polytechnic Institute and State University  
   Team 2: Johnny-5  
   Score: 801.5/1100

7. University of Delaware  
   Team: Warthog  
   Score: 774.5/1100

8. University of Missouri – Rolla  
   Team 1: Aluminator  
   Score: 745.5/1100

9. Georgia Institute of Technology  
   Team: Candi  
   Score: 743/1100

10. University of Illinois – Chicago  
    Team: Achilles  
    Score: 736/1100

11. University of Texas – Austin  
    Team: BlastyRAS  
    Score: 730.5/1100

12. Oakland University  
    Team: Zeus  
    Score: 725.5/1100

13. University of Cincinnati  
    Team: Bearcat Cub  
    Score: 687.5/1100

14. Lawrence Technological University  
    Team 1: Armadillo  
    Score: 685.5/1100

15. École de technologie supérieure  
    Team: RS3  
    Score: 594/1100

16. Stony Brook University  
    Team: TNA  
    Score: 441/1100

**Design Group B**

1. Hosei University  
   Team: Omnix 2007  
   Score: 970.75/1100

2. Bluefield State College  
   Team: Anassa III  
   Score: 956.75/1100

3. University of Central Florida  
   Team: Gamblore  
   Score: 943.75/1100

4. University of Detroit Mercy  
   Team: CAPACITOPS  
   Score: 926.75/1100
5. University of Wisconsin – Madison  
   Team: ReWIRED  
   Score: 921/1100

6. Trinity College  
   Team: Q  
   Score: 903.5/1100

7. Bob Jones University  
   Team: Balthasar  
   Score: 868/1100

8. The College of New Jersey  
   Team: AMBER  
   Score: 859/1100

9. Rochester Institute of Technology  
   Team: Overlord  
   Score: 843/1100

10. University of Minnesota – Twin Cities  
    Team: AWESOM - O 2007  
    Score: 830.5/1100

11. University of Massachusetts – Lowell  
    Team: MCP  
    Score: 830/1100

12. The City College of New York  
    Team: BeaverBot  
    Score: 820.75/1100

13. University of Michigan – Dearborn  
    Team: Wolf  
    Score: 742.5/1100

14. Cedarville University  
    Team: Yellow Jacket III  
    Score: 689/1100

15. DeVry Calgary  
    Team: Mercury  
    Score: 25/1100

**Navigation Challenge**

1. Virginia Polytechnic Institute and State University  
   Team 2: Johnny-5  
   Waypoints: 8/8  
   Time: 4 minutes 6 seconds  
   Prize: $ 2,500

2. Hosei University  
   Team: Omnix 2007  
   Waypoints: 8/8  
   Time: 4 minutes 58 seconds  
   Prize: $ 2,000
<table>
<thead>
<tr>
<th>Rank</th>
<th>Team</th>
<th>Number of Waypoints</th>
<th>Time</th>
<th>Prize</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>University of Detroit Mercy</td>
<td>8/8</td>
<td>6 minutes 1 second</td>
<td>$1,500</td>
</tr>
<tr>
<td>4</td>
<td>University of Minnesota – Twin Cities</td>
<td>6/8</td>
<td>6 minutes 14 seconds</td>
<td>$200</td>
</tr>
<tr>
<td>5</td>
<td>University of Michigan – Dearborn</td>
<td>5/8</td>
<td>6 minutes 42 seconds</td>
<td>$100</td>
</tr>
<tr>
<td>6</td>
<td>University of Massachusetts – Lowell</td>
<td>4/8</td>
<td>5 minutes 32 seconds</td>
<td>$100</td>
</tr>
<tr>
<td>7</td>
<td>University of Cincinnati</td>
<td>4/8</td>
<td>6 minutes 11 seconds</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Trinity College</td>
<td>3/8</td>
<td>2 minutes 55 seconds</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>École de technologie supérieure</td>
<td>3/8</td>
<td>3 minutes 59 seconds</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Bob Jones University</td>
<td>3/8</td>
<td>4 minutes 8 seconds</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>University of Delaware</td>
<td>2/8</td>
<td>1 minute 11 seconds</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Lawrence Technological University</td>
<td>2/8</td>
<td>1 minute 20 seconds</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>California State University – Northridge</td>
<td>2/8</td>
<td>1 minute 53 seconds</td>
<td></td>
</tr>
</tbody>
</table>
14. University of Wisconsin – Madison
   Team: ReWIRED
   Waypoints: 1/8
   Time: 20 seconds

15. Cedarville University
   Team: Yellow Jacket III
   Waypoints: 1/8
   Time: 27 seconds

16. The College of New Jersey
   Team: AMBER
   Waypoints: 1/8
   Time: 52 seconds

17. Bluefield State College
   Team: Anassa III
   Waypoints: 0/8

17. Georgia Institute of Technology
   Team: Candi
   Waypoints: 0/8

17. University of Texas – Austin
   Team: BlastyRAS
   Waypoints: 0/8

17. Virginia Polytechnic Institute and State University
   Team 3: Polaris
   Waypoints: 0/8

**JAUS Challenge**

Bob Jones University
   Team: Balthasar
   Level: I
   Prize: $ 500

École de technologie supérieure
   Team: RS3
   Level: II
   Prize: $ 500

Hosei University
   Team: Omnix 2007
   Level: II
   Prize: $ 500

Lawrence Technological University
   Team: H2Bot II
   Level: II
   Prize: $ 500

Rochester Institute of Technology
   Team: Overlord
   Level: I
   Prize: $ 500
University of Cincinnati
Level: II
Prize: $ 500

University of Minnesota – Twin Cities
Level: I
Prize: $ 500

University of Texas – Austin
Level: I
Prize: $ 500

University of Wisconsin – Madison
Level: I
Prize: $ 500

Virginia Polytechnic Institute and State University
Level: I
Prize: $ 500

**Rookie of the Year Award**

University of Delaware
Prize: $ 500

**Grand Award**

1. Virginia Polytechnic Institute and State University
   Team 2: Johnny-5
   Points: 84

2. Hosei University
   Team: Omnix 2007
   Points: 50

3. University of Detroit Mercy
   Team: CAPACITOPS
   Points: 40

4. University of Minnesota – Twin Cities
   Team: AWESOM - O 2007
   Points: 26

4. Virginia Polytechnic Institute and State University
   Team 3: Polaris
   Points: 26

6. Lawrence Technological University
   Team 2: H2Bot II
   Points: 24

7. California State University – Northridge
   Team: LinBot
   Points: 8
7. École de technologie supérieure
   Team: RS3
   Points: 8

7. University of Michigan – Dearborn
   Team: Wolf
   Points: 8

10. University of Central Florida
    Team: Gamblore
    Points: 7

11. Bluefield State College
    Team: Anassa III
    Points: 4

12. University of Massachusetts – Lowell
    Team: MCP
    Points: 2