The 13\textsuperscript{TH} Annual Intelligent Ground Vehicle Competition

Grand Traverse Resort and Spa
Traverse City, Michigan
June 11\textsuperscript{TH} – 13\textsuperscript{TH}, 2005

**Autonomous Challenge**

1. Virginia Polytechnic Institute and State University  
   Distance: 500 feet (full course)  
   Time: 2 minutes 10 seconds  
   Prize: $1,500

2. Virginia Polytechnic Institute and State University  
   Distance: 500 feet (full course)  
   Time: 2 minutes 11 seconds  
   Prize: $1,000

3. Virginia Polytechnic Institute and State University  
   Distance: 500 feet (full course)  
   Time: 3 minutes 30 seconds  
   Prize: $500

4. Bluefield State College  
   Distance: 500 feet (full course)  
   Time: 3 minutes 55 seconds  
   Prize: $200

5. Brigham Young University  
   Distance: 351 feet  
   Time: 4 minutes 22 seconds

6. University of Detroit Mercy  
   Distance: 276 feet  
   Time: 3 minutes 33 seconds

7. University of Michigan - Dearborn  
   Distance: 250 feet  
   Time: 3 minutes 27 seconds

8. University of Minnesota – Twin Cities  
   Distance: 237 feet  
   Time: 4 minutes 36 seconds

Team 1: Gemini

Team 2: Johnny-5

Team 3: Polaris

Team: Anassa

Team: Urckbot

Team 2: Warrior

Team: RoadRunner

Team: G2
<table>
<thead>
<tr>
<th>Rank</th>
<th>Institution</th>
<th>Team</th>
<th>Distance</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>9.</td>
<td>Cedarville University</td>
<td>Yellow Jacket</td>
<td>236 feet 6 inches</td>
<td>5 minutes</td>
</tr>
<tr>
<td>10.</td>
<td>Lawrence Technological University</td>
<td>Think-Tank</td>
<td>232 feet</td>
<td>4 minutes 9 seconds</td>
</tr>
<tr>
<td>11.</td>
<td>Trinity College</td>
<td>ALVIN VI</td>
<td>219 feet</td>
<td>4 minutes 42 seconds</td>
</tr>
<tr>
<td>12.</td>
<td>University of Central Florida</td>
<td>Calculon</td>
<td>158 feet</td>
<td>5 minutes</td>
</tr>
<tr>
<td>13.</td>
<td>University of Wisconsin – Madison</td>
<td>Whitespace</td>
<td>154 feet</td>
<td>5 minutes</td>
</tr>
<tr>
<td>14.</td>
<td>Hosei University – Japan</td>
<td>Amigo 2005</td>
<td>136 feet</td>
<td>1 minute 48 seconds</td>
</tr>
<tr>
<td>15.</td>
<td>Bob Jones University</td>
<td>Adam</td>
<td>122 feet</td>
<td>2 minutes 31 seconds</td>
</tr>
<tr>
<td>16.</td>
<td>University of Cincinnati</td>
<td>Bearcat Cub</td>
<td>95 feet</td>
<td>5 minutes</td>
</tr>
<tr>
<td>17.</td>
<td>University of Michigan - Dearborn</td>
<td>SMART</td>
<td>88 feet</td>
<td>1 minute 22 seconds</td>
</tr>
<tr>
<td>18.</td>
<td>University of Cincinnati</td>
<td>Bearcat III</td>
<td>83 feet</td>
<td>3 minutes 10 seconds</td>
</tr>
<tr>
<td>19.</td>
<td>Oakland University</td>
<td>Proteus</td>
<td>56 feet 4 inches</td>
<td>48 seconds</td>
</tr>
</tbody>
</table>
20. University of Maryland – Baltimore County
   Team: Should Be Trivial
   Distance: 2 feet
   Time: 33 seconds

21. University of Minnesota - Duluth
   Team: MARVIN
   Distance: -3 feet
   Time: 43 seconds

**Design Competition**

**Finalist**
1. Virginia Polytechnic Institute and State University
   Team 1: Gemini
   Score: 712.25/800
   Prize: $1,000

2. Virginia Polytechnic Institute and State University
   Team 3: Polaris
   Score: 708.75/800
   Prize: $800

3. University of Central Florida
   Team: Calculon
   Score: 708.25/800
   Prize: $600

4. Virginia Polytechnic Institute and State University
   Team 2: Johnny-5
   Score: 707.25/800

5. U.S Military Academy - West Point
   Team: Black MAGIC
   Score: 683.5/800

6. University of Central Florida
   Team: RDB3K
   Score: 666/800

**Design Group A**
1. University of Central Florida
   Team: Calculon
   Score: 740.5/800

2. U.S Military Academy - West Point
   Team: Black MAGIC
   Score: 735.5/800

3. Virginia Polytechnic Institute and State University
   Team 1: Gemini
   Score: 732/800

4. Bluefield State College
   Team: Anassa
   Score: 727.5/800
5. Hosei University – Japan
   Team: Amigo 2005
   Score: 726/800

6. University of Wisconsin – Madison
   Team: Whitespace
   Score: 724/800

7. Brigham Young University
   Team: Urckbot
   Score: 699/800

8. Bob Jones University
   Team: Adam
   Score: 695/800

9. Cedarville University
   Team: Yellow Jacket
   Score: 694/800

10. University of Minnesota – Twin Cities
    Team: G2
    Score: 683/800

11. University of Cincinnati
    Team: Bearcat Cub
    Score: 680/800

12. University of Minnesota - Duluth
    Team: MARVIN
    Score: 662.5/800

13. University of Maryland – Baltimore County
    Team: Should Be Trivial
    Score: 638.5/800

14. University of Cincinnati
    Team: Bearcat III
    Score: 628.5/800

15. University of Michigan - Dearborn
    Team: RoadRunner
    Score: 622.5/800

15. University of Michigan - Dearborn
    Team: SMART
    Score: 622.5/800

16. University of Michigan - Dearborn
    Team: GCAT
    Score: 612.5/800

**Design Group B**

1. Virginia Polytechnic Institute and State University
   Team 3: Polaris
   Score: 708/800

2. Virginia Polytechnic Institute and State University
   Team 2: Johnny-5
   Score: 699/800
3. University of Central Florida | Team: RDB3K  
Score: 638/800

4. University of Missouri - Rolla | Team: rho-bot  
Score: 615.5/800

4. Lawrence Technological University | Team: Think-Tank  
Score: 615.5/800

5. École de Technologie Supérieure | Team: Mentis II  
Score: 609.5/800

6. Trinity College | Team: ALVIN VI  
Score: 609/800

7. University of Detroit Mercy | Team 1: Hephaestus  
Score: 589.5/800

8. University of Detroit Mercy | Team 2: Warrior  
Score: 587.5/800

9. Kettering University | Team: BullDog I  
Score: 586.5/800

10. The College of New Jersey | Team: NJAV  
Score: 561/800

11. Oakland University | Team: Proteus  
Score: 553/800

12. University of Massachusetts - Lowell | Team: MCP  
Score: 263/800

**Navigation Challenge**

1. Virginia Polytechnic Institute and State University | Team 1: Gemini  
Waypoints: 9/9  
Time: 1 minute 59 seconds  
Prize: $ 1,000

2. Virginia Polytechnic Institute and State University | Team 3: Polaris  
Waypoints: 9/9  
Time: 2 minutes 42 seconds  
Prize: $ 800
3. Virginia Polytechnic Institute and State University  
Team: Johnny-5  
Waypoints: 9/9  
Time: 2 minutes 50 seconds  
Prize: $ 600

4. Trinity College  
Team: ALVIN VI  
Waypoints: 9/9  
Time: 4 minutes 24 seconds

5. University of Cincinnati  
Team: Bearcat Cub  
Waypoints: 7/9  
Time: 3 minutes 30 seconds

6. Bob Jones University  
Team: Adam  
Waypoints: 7/9  
Time: 5 minutes 42 seconds

7. Hosei University – Japan  
Team: Amigo 2005  
Waypoints: 6/9  
Time: 2 minutes

8. University of Central Florida  
Team: Calculon  
Waypoints: 6/9  
Time: 2 minutes 37 seconds

9. Lawrence Technological University  
Team: Think-Tank  
Waypoints: 4/9  
Time: 3 minutes 50 seconds

10. University of Cincinnati  
Team: Bearcat III  
Waypoints: 4/9  
Time: 5 minutes 25 seconds

11. University of Minnesota – Twin Cities  
Team: G2  
Waypoints: 3/9  
Time: 1 minute 32 seconds

12. Brigham Young University  
Team: Urckbot  
Waypoints: 2/9  
Time: 41 seconds

13. Bluefield State College  
Team: Anassa  
Waypoints: 2/9  
Time: 1 minute 8 seconds
14. University of Michigan - Dearborn    Team: GCAT
Waypoints: 1/9
Time: 50 seconds

15. University of Michigan - Dearborn    Team: SMART
Waypoints: 1/9
Time: 57 seconds

**Grand Award**

1. Virginia Polytechnic Institute and State University    Team 1: Gemini
Points: 35
Prize: $10,000

2. Virginia Polytechnic Institute and State University    Team 3: Polaris
Points: 24

3. Virginia Polytechnic Institute and State University    Team 2: Johnny-5
Points: 16

4. University of Central Florida    Team: Calculon
Points: 6