

# The 12<sup>TH</sup> Annual Intelligent Ground Vehicle Competition

Oakland University  
Rochester, Michigan  
June 12<sup>TH</sup> – 14<sup>TH</sup>, 2004

## Autonomous Challenge

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| 1. Virginia Polytechnic Institute and State University<br>Distance: 603 feet (full course)<br>1206 feet (Completed, stopped by judges.)<br>Time: 3 minutes 30 seconds<br>Prize: \$ 1,500 | Team 2: Johnny-5  |
| 2. Hosei University – Japan<br>Distance: 603 feet (full course)<br>1019 feet (Completed, before going out.)<br>Time: 6 minutes 44 seconds<br>Prize: \$ 1,000                             | Team: Amigo 2004  |
| 3. Virginia Polytechnic Institute and State University<br>Distance: 508 feet 7 inches<br>Time: 4 minutes 3 seconds<br>Prize: \$ 500  | Team 1: Gemini    |
| 4. University of Florida<br>Distance: 471 feet<br>Time: 10 minutes<br>Prize: \$ 200  | Team: TailGator   |
| 5. Bluefield State College<br>Distance: 449 feet 10 inches<br>Time: 7 minutes 15 seconds   | Team: Vasilius    |
| 6. Lawrence Technological University<br>Distance: 244 feet<br>Time: 3 minutes 47 seconds   | Team 1: AISSIG    |
| 7. University of Cincinnati<br>Distance: 192 feet 8 inches<br>Time: 7 minutes 13 seconds   | Team: Bearcat III |
| 8. University of Michigan - Dearborn<br>Distance: 133 feet<br>Time: 2 minutes 57 seconds   | Team: AIM         |

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| 9. Georgia Institute of Technology<br>Distance: 135 feet 5 inches<br>Time: 4 minutes 32 seconds    | Team: BuzzBot II     |
| 10. University of Alberta – Canada<br>Distance: 128 feet 5 inches<br>Time: 2 minutes               | Team: Kodiak         |
| 11. Lawrence Technological University<br>Distance: 126 feet 6 inches<br>Time: 4 minutes 45 seconds | Team 2: Challenger   |
| 12. Lawrence Technological University<br>Distance: 88 feet 3 inches<br>Time: 1 minute 14 seconds   | Team 3: Deep Blue    |
| 13. Lawrence Technological University<br>Distance: 63 feet<br>Time: 1 minute 30 seconds            | Team 4: Zenna        |
| 14. Virginia Polytechnic Institute and State University<br>Distance: 60 feet<br>Time: 1 minute     | Team 3: Optimus 2004 |
| 15. Cedarville University<br>Distance: 12 feet 5 inches<br>Time: 16 seconds                        | Team: Little Blue    |
| 16. Trinity College<br>Distance: 1 foot 6 inches<br>Time: 28 seconds                               | Team: ALVIN V        |
| 17. U.S. Military Academy – West Point<br>Distance: - 20 feet<br>Time: 2 minutes 25 seconds        | Team: MAGIC Sr.      |

**Design Competition**

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| 1. Virginia Polytechnic Institute and State University<br>Score: 696.67/800<br>Prize: \$ 1,000 | Team 1: Gemini   |
| 2. Virginia Polytechnic Institute and State University<br>Score: 668.33/800<br>Prize: \$ 800   | Team 2: Johnny-5 |

3. University of Alberta – Canada Score: 657.33/800 Prize: \$ 600	Team: Kodiak
4. Hosei University – Japan Score: 655/800	Team: Amigo 2004
5. Bluefield State College Score: 649.33/800	Team: Vasilius
6. Virginia Polytechnic Institute and State University Score: 639/800	Team 3: Optimus 2004
7. U.S. Military Academy – West Point Score: 624.33/800	Team: MAGIC Sr.
8. University of Wisconsin – Madison Score: 621.5/800	Team: Oliver
9. École de Technologie Supérieure - Canada Score: 573.33/800	Team: CAPRA
10. University of Florida Score: 571.67/800	Team: TailGator
11. Trinity College Score: 570.33/800	Team: ALVIN V
12. Elizabethtown College Score: 569.33/800	Team: Wunderbot
13. Lawrence Technological University Score: 557.67/800	Team 3: Deep Blue
13. Oakland University Score: 557.67/800	Team: Proteus
14. University of Central Florida Score: 553.67/800	Team: RDB3K
15. U.S. Military Academy – West Point Score: 545.33/800	Team: MAGIC Jr.
16. University of Cincinnati Score: 536.67/800	Team: Bearcat III

17. University of Central Florida  
Score: 529.33/800  
Team: Black Knight

18. University of Cincinnati  
Score: 528.67/800  
Team: Bearcat Cub

19. Lawrence Technological University  
Score: 526.67/800  
Team 1: AISSIG

20. Lawrence Technological University  
Score: 526/800  
Team 4: Zenna

21. Lawrence Technological University  
Score: 522.67/800  
Team 2: Challenger

22. University of Colorado - Denver  
Score: 517.33/800  
Team: PUMA

23. Cedarville University  
Score: 509.33/800  
Team: Little Blue

24. Georgia Institute of Technology  
Score: 507.67/800  
Team: BuzzBot II

25. University of Michigan - Dearborn  
Score: 366/800  
Team: AIM

26. Michigan Technological University  
Score: 277.33/800  
Team: Betty

### **Navigation Challenge**

1. Hosei University – Japan  
Waypoints: 9/9  
Time: 2 minutes 24 seconds  
Prize: \$ 1,000  
Team: Amigo 2004

2. Virginia Polytechnic Institute and State University  
Waypoints: 9/9  
Time: 2 minutes 32 seconds  
Prize: \$ 800  
Team 2: Johnny-5

3. Virginia Polytechnic Institute and State University  
Waypoints: 9/9  
Time: 3 minutes 45 seconds  
Prize: \$ 600  
Team 3: Optimus 2004

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| 4. University of Alberta – Canada<br>Waypoints: 9/9<br>Time: 3 minutes 55 seconds                     | Team: Kodiak       |
| 5. University of Florida<br>Waypoints: 8/9<br>Time: 2 minutes 1 second                                | Team: TailGator    |
| 6. Virginia Polytechnic Institute and State University<br>Waypoints: 7/9<br>Time: 1 minute 49 seconds | Team 1: Gemini     |
| 7. Bluefield State College<br>Waypoints: 6/9<br>Time: 3 minutes 56 seconds                            | Team: Vasilius     |
| 8. University of Cincinnati<br>Waypoints: 5/9<br>Time: 5 minutes 50 seconds                           | Team: Bearcat III  |
| 9. Trinity College<br>Waypoints: 5/9<br>Time: 6 minutes 7 seconds                                     | Team: ALVIN V      |
| 10. University of Central Florida<br>Waypoints: 4/9<br>Time: 6 minutes 48 seconds                     | Team: Black Knight |
| 11. Georgia Institute of Technology<br>Waypoints: 3/9<br>Time: 2 minutes 29 seconds                   | Team: BuzzBot II   |
| 12. Lawrence Technological University<br>Waypoints: 1/9<br>Time: 28 seconds                           | Team 1: AISSIG     |
| 13. Lawrence Technological University<br>Waypoints: 1/9<br>Time: 56 seconds                           | Team 3: Deep Blue  |

### **Grand Award**

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| 1. Virginia Polytechnic Institute and State University<br>Points: 31<br>Prize: \$ 10,000 | Team 2: Johnny-5 |
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2. Hosei University – Japan  
Points: 20

Team: Amigo 2004

3. Virginia Polytechnic Institute and State University  
Points: 18

Team 1: Gemini

4. University of Alberta – Canada  
Points: 6

Team: Kodiak

4. Virginia Polytechnic Institute and State University  
Points: 6

Team 1: Optimus 2003