



FIELD ROBOT EVENT

June 23/24

2006



SCIENTIFIC COMMITTEE

(alphabetical order)

- Prof. Dr. J. de Baerdemaker | Leuven University (B)
- Prof. Dr. S. Blackmore | KVL Copenhagen (DK)
- Prof. Dr.-Ing. S. Böttinger | University of Hohenheim (D)
- Dr. ir. D. Goense | A&F Wageningen UR (NL)
- Dr. ir. E. van Henten | Wageningen University (NL)
- Dr. J. Morhard | University of Hohenheim (D)
- Prof. Dr. J. Müller | University of Hohenheim (D)
- Prof. Dr. A. Ruckelshausen | FH Osnabrück (D)
- Prof. Dr. ir. L. Speelmann | Wageningen University (NL)
- Prof. Dr. ir. G. van Straten | Wageningen University (NL)
- Prof. Dr. Konosuke Tsuga | BRAIN / IAM (J)



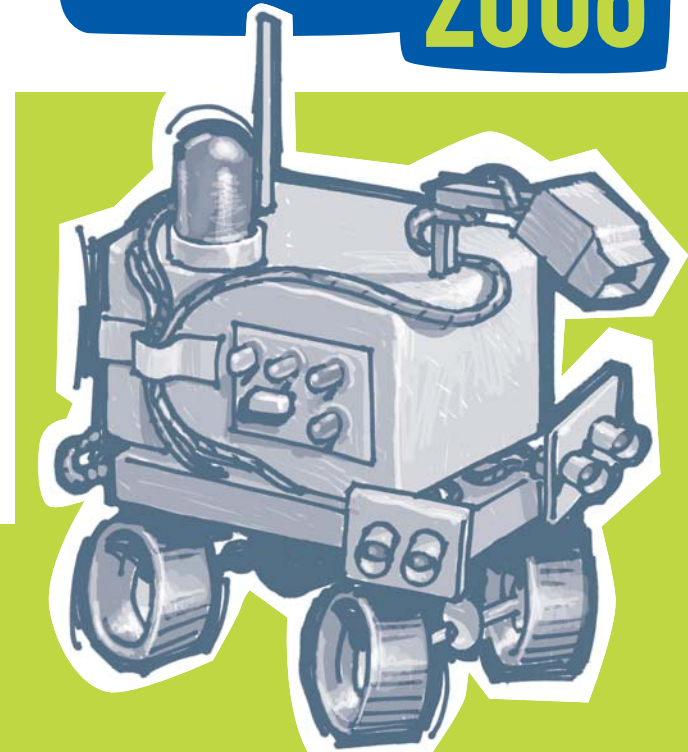
Hohenheim Castle

VENUE

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hands-on learning
hands-off navigating

WELCOME

The Field Robot Event is young, attractive and challenging! With this attributes one does not need to wonder that it is attracting more and more competitors from around the world each year. Field robots are accepted as a future vision in modern agriculture. A state-of-the-art topic with lots of interest in the public and the media - and a high level of attention in the industry. After three exciting and challenging years in Wageningen, the Field Robot Event now went on a journey itself: The University of Hohenheim, home to one of Europes oldest and biggest agricultural faculties, and Germanys largest campus university, is proud to be your host in 2006. Following the good tradition, no restrictions towards design and technological input are made - everyone will once more be excited to see the results of your unlimited creativity! The University of Hohenheim warmly welcomes you and your robot in 2006. It's a contest of course, but also without an own robot your are welcome. Let's exchange experience, do networking, and enjoy the contest...



CONTEST DISCIPLINES IN 2006

For the first time in 2006, there will be a twofold competition - a basic competition for teams on budget or "newbies", and an advanced part.

Basic Competition

- The line - can you draw a straight white line¹ towards a given location?²
- Dandelion detection - how many dandelions³ can you count navigating between rows?⁴
- Speed race "All in a row" - can you outspeed you competitors in an open race?⁵

Advanced Competition

- Hole detection in grass - can you detect damage, litter, etc.? The perfect training to perform in the "Gottlieb-Daimler-Stadion".

Freestyle (all)

- What is your specialty? Present your own ideas.

RULES

- ¹ An implement will be provided or bring your own.
- ² A "corner flag" will be the target - recognize it, use the bearing, or find your own solution.
- ³ Dandelions will be simulated with yellow golf-balls.
- ⁴ Standard, curved maize rows, 75 cm wide, on "advanced terrain": Expect some parts to be "hilly" and some to be "rainy"...
- ⁵ 25-30 m race course, all robots start at the same time. Collision free driving required...

More rules:

Everybody can participate: No limitations regarding age, education, and/or professional occupation. All kind of autonomous vehicles are welcome. Wanna fly? Fly! Professionals and/or teams on a high budget will start in an own league. A scientific committee will judge the vehicles - including: Performance, budget/costs, innovation, presentation, and more. Details in the FAQ on the webpage. More questions? E-Mail us: FieldRobot@uni-hohenheim.de

PROCEDURES

- Visit & register.
- Form a team and build your robot.
- Submit a paper and make a poster.
- Come to Hohenheim, meet friends and...WIN!

Accommodation

Low budget student accommodation will be available.

PROGRAM

Friday, June 23

- 10:00h Start Registration
- 13:00h Official Opening
- 14:00h Conference & Field Robot Workshop
- 18:00h BBQ & Dies Academicus in Hohenheim

Saturday, June 24

- 10:00h Field Robot Warm-Up
- 12:00h Field Robot Contest
- 17:00h Awards Show & Farewell

