

► **A visit is crucial for participating companies:**

- System architects
- Suppliers of (active) components.
- Software engineers
- Software suppliers (operating systems, design/development software, test software)
- Hardware engineers
- Development engineers
- Service providers to embedded system development
- Technical and R&D management
- Project management
- Test engineers
- Cad Support experts

► **The target industries are:**

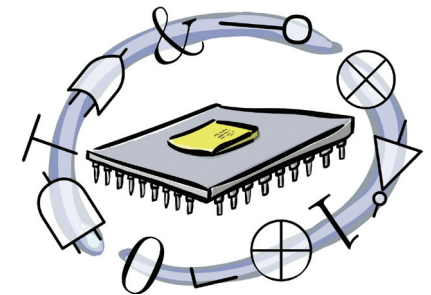
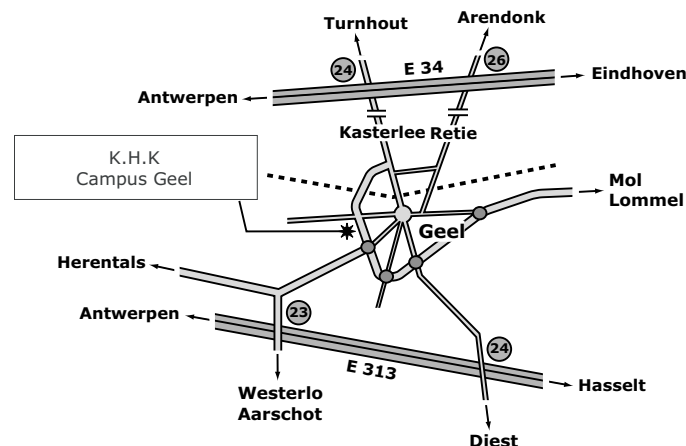
- Self-creating industries
- Specialized and high end machine building
- Infrastructure, automotive and telecom
- Medical industry

► **History:**

- The 1st International Workshop on Embedded Systems took place in Vaasa, Finland
- The 2nd International Workshop on Embedded Systems took place in Kiel, Germany
- The 3rd International Workshop on Embedded Systems took place in Alveiro, Portugal
- The 4th International Workshop on Embedded Systems will take place in Geel, Belgium

KATHOLIEKE HOGESCHOOL KEMPEN
Campus Geel

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CAMPUS
Geel

4th International workshop on Embedded Systems

The KHK will organize a 4th International Workshop on Embedded Systems on

29 and 30 September 2005



During this international event, designers and applicants of Embedded Systems and high end electronics become acquainted with the latest technologies and interchange ideas with colleagues. The workshop is intended to bring together technology and education.

The workshop is open to the public the entire day. Prominent suppliers of embedded systems and design automation present innovative developments and technologies for a faultless and smooth design flow.

The 4th International Workshop on Embedded Systems offers the latest tooling technology and contacts necessary for performance improvement of embedded systems to developers.

➤ Thursday 29 september 2005

09.00 - 09.10	opening
09.15 - 09.55	Licensing of Trustworthy Components for building embedded systems Erik Verhulst Systematic Systems Development Methodologies Leuven Belgium
10.00 - 10.40	Neural Networks in robotics George Papadourakis Technological Educational Institute of Crete
10.45 - 11.10	short break
11.15 - 11.55	Embedded Encryption: Providing Security in Wireless Sensor Networks Johan Dams Vaasa Polytechnic / Vaasa University Finland
12.00 - 12.40	Ubiquitous Computing: Overview and Examples Helmut Dispert Fachhochschule Kiel Germany
12.40 - 13.40	lunch
13.45 - 14.40	Wireless remote device networking Thomas Frohlich Alcom Electronics Digi Connectware Kontich Belgium
14.45 - 15.40	Solutions for home connectivity Raimund Stampa Renesas Technology Europe Ratingen Germany
15.45 - 16.40	A GPRS-enabled remote monitoring system Chao Gao Vaasa Polytechnic / Vaasa University Finland
16.45 - 17.00	end

➤ Friday 30 september 2005

09.00 - 09.10	opening
09.15 - 09.55	FPGA - Embedded processing for re-configurable design. Use of the embedded PPC405 in a Virtex-4 FPGA as web server performing re-configurable design. Marc Defossez of Xilinx Brussel Belgium
10.00 - 10.40	Advanced training Virtex 4 Technology Frank de Bont Arcobel 's Hertogenbosch Netherlands
10.45 - 11.10	short break
11.15 - 11.55	Ethernet Powerlink for Industrial Automation Michael Flür Adelco Netherlands
12.00 - 12.40	Open source VOIP networks Bruno Impens Internetfabriek Leuven Belgium
12.40 - 13.40	lunch
13.45 - 14.40	Wireless sensors with embedded processors Adriaan Brebels - Bart Peeters CIT Engineering Geel Belgium
14.45 - 15.40	Linux debug: a new paradigm André De Ceuninck Logic Technology BV Netherlands
15.45 - 16.40	Fibre optic sensors measured with embedded systems Bob Boons & Jan Cuypers Fos&s bvba Geel Belgium
16.45 - 17.00	Embedded solution GuitarLEDs of Talenttechnologies Winner Small Business Project 2005