

ABB Review 2/2005

University and industry co-operation

Cover Stories

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Closing the gap

The EU commissioner for Information Society and Media, Viviane Reding, discusses the importance of developing partnerships between universities and industries.

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Welcome to our world

As one of the most respected universities in the world, the University of Cambridge explains how it creates and strengthens relationships with industrial companies.

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The MIT experience

Frequently source of innovative technologies and with a School of Engineering regarded by many as the best in the world, MIT is an ideal collaborative partner.

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Leaders of tomorrow

ABB is closely associated with MIT's Leaders for Manufacturing program and the University of Cambridge's Manufacturing Leaders program.

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University co-operation

Fostering collaborative partnerships in scientific research is critical if great ideas are to be transformed into great inventions to meet the challenges of tomorrow.

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City of learning

With its numerous academic institutes, Kraków is a goldmine of talent – one good reason why ABB decided to locate a research lab in this historical city.

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Let's work together

ABB is working with Chalmers University of Technology to build and maintain a competence center dedicated to sustainable product development.

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Looking ahead

Two well-known universities are playing an important role in the development of ABB's next generation of control and automation products for power systems.

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Value for money

ABB with the ETH in Zürich will provide solutions to help customers control and optimize their production processes while hedging their decisions against uncertainties.

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Root cause

Automatically detecting plant-wide disturbances and their root causes can significantly reduce the time spent on troubleshooting in processing plants.

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Predictable assembly

Carneige Mellon University is helping ABB to introduce "smart constraints" into software development practice so systems can routinely exhibit predictable quality.

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Hot stuff

ABB is benefiting from over 50 years of experience gained by the Technical University of Dresden in the thermal design of power equipment.



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Innovative engineering

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Grids united

ABB and Tsinghua University are helping interconnect China's grids.

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Simulated reality

A Dispatcher Training Simulator allows operators to deal with unexpected situations quickly and decisively.



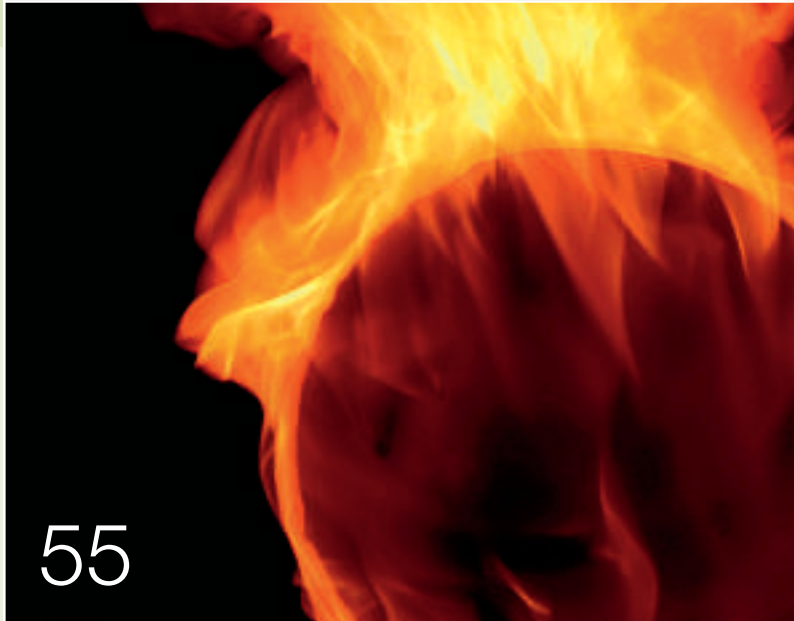
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Tutorial

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Industrial information system security – Part I

IT security in industrial plants.



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