

# 3TU.AMI



MATHEMATICS FOR INNOVATION

3TU Applied Mathematics Institute

## AUTUMN SPECTACLE Industry show

**Date** 27 October 2011

**Time** 10:00 17:00

**Venue** VNO Building "De Malietoren" The Hague

**Admission** Free

**Registration** [www.utwente.nl/ewi/ami](http://www.utwente.nl/ewi/ami)

**Contact** [3tu.ami@ewi.utwente.nl](mailto:3tu.ami@ewi.utwente.nl)

**AMI 2011**

- European Gas Network (14 October, Berlin)
- Mathecalender (December 2011)

**AMI 2012**

- Themeday - Energy (March 2012)
- Springfestival 2012 (April 2012)

<http://ami.3tu.nl>

# ANNUAL AUTUMN SPECTACLE 27 October 2011 Math in Industry; an invisible engine

09:00 Registration and reception.

09:40-09:55 Opening by chairman of the innovation Committee of VNO-NCW René Penning de Vries, CTO & Country Manager NXP Netherlands, NXP Semiconductors

09:55-10:00 Chairman: Bernard Geurts

10:00 - 10:45 **WIL SCHILDERS (TU/e) + WIM SCHOENMAKER (Magwei, Leuven)**  
"From mathematical physics to computational engineering:  
"The role of gauge fields in electronic design"

10:45 - 11:30 **KEES VUIK (TUD) + RONALD BRINKGREVE (Plaxis)**  
"Why geotechnical applications require custom-built numerical solutions"

11:30 - 12:00 Coffee Break

12:00 - 12:45 **BOB MATTHEIJ (TU/e)**  
"25 years Mathematics with industry"

12:45 - 13:45 Lunch

13:45 - 14:30 **KEES OOSTERLEE (CWI, TUD) + ERIK VAN RAAIJ (Rabobank international)**  
"Mathematical Modeling and Computational Techniques for the Financial Industry"

14:30 - 15:15 **BERNARD GEURTS (UT/TUE) + ED KOMEN (NRG)**  
"Numerical modeling for nuclear reactor safety"

15:15 - 15:45 Break

15:45 - 16:30 **VOLKER MEHRMANN (TU Berlin)**  
"Industrial Mathematics at MATHEON"

16:30 - 17:30 Drinks

Preferred partner of AMI is MATHEON, Research Center of the 3 Berlin Universities and the institutes WIAS and ZIB [www.matheon.de](http://www.matheon.de)