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Announcement and invitation
**Symposium
Mechanics & Control**
Wednesday, 26 April 2006



Announcement and invitation Symposium Mechanics & Control

Date: Wednesday, 26 April 2006
Location: Auditorium Building, Eindhoven University of Technology
Eindhoven, The Netherlands
Lectures Symposium: Lecture Room 4
Lunch Symposium: Senate Room

In 2004 the Board of the Eindhoven University of Technology (TU/e) decided to establish a limited number of inter-department research profiles. One of those research profiles is labeled “Mechanics & Control: Centre for Fluid Mechanics, Solid Mechanics and Control”, and 14 research groups from the departments of Mechanical Engineering, Applied Physics and Applied Mathematics are participating in it, altogether embracing a research input of more than 100 fte.

On Wednesday, 26 April 2006, a Symposium will be organized in relation to the TU/e research profile Mechanics & Control. At this Symposium three renowned international speakers and three local speakers will present state-of-the-art developments in the area of this research profile. The preliminary program of this Symposium is attached to this announcement.

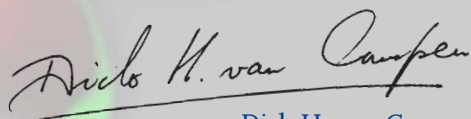
In 2006 the Eindhoven University of Technology will celebrate its 50th anniversary. As a highlight of this celebration three honorary doctorates will be awarded on Thursday, 27 April 2006. Two of the awardees (Prof. Moffatt and Prof. Wheeler) will lecture at the Symposium Mechanics & Control on the previous day. The third international speaker at the Symposium Mechanics & Control (Prof. Schiehlen) has been awarded an honorary doctorate at TU/e in 1991.

You are cordially invited to participate in the Symposium Mechanics & Control on Wednesday, 26 April 2006. The Symposium program will be exciting, participation in the Symposium will be free of charge and lunch is included.

So, do not forget to fill out the enclosed Registration Form and book the Symposium date in your agenda right away!

I look forward to welcoming you at the Symposium Mechanics & Control on Wednesday, 26 April 2006.

With kind regards,
Yours sincerely,



Dick H. van Campen
Chair Steering Panel Mechanics & Control



Program Symposium Mechanics & Control

Date: Wednesday, 26 April 2006
Location: Auditorium Building
Eindhoven University of Technology Eindhoven, The Netherlands
Lectures Symposium: Lecture Room 4
Lunch Symposium: Senate Room

- 09.30- 10.00h Registration and informal get-together
- 10.05 - 10.15h Prof. C.J. (Hans) van Duijn, Rector Magnificus TU Eindhoven:
Welcome and opening of the Symposium
- 10.15 - 10.35h Prof. D.H. (Dick) van Campen, TU Eindhoven:
Introduction of the TU/e research profile on Mechanics & Control
- 10.35 - 11.20h Lecture by Prof. M.F. (Mary) Wheeler, University of Texas at Austin, USA: *Multiscale methods for modeling flow, transport and mechanics*
- 11.20 - 12.05h Lecture by Prof. M.A. (Mark) Peletier, TU Eindhoven:
Localization and imperfection-sensitivity in cylinder buckling
- 12.05 - 13.15h Lunch
- 13.15 - 14.00h Lecture by Prof. H.K. (Keith) Moffatt, University of Cambridge, UK:
Corner flows; a classical problem with a new twist
- 14.00 - 14.45h Lecture by Prof. G.J. (Gertjan) van Heijst, TU Eindhoven:
Vortices in rotating and stratified fluids
- 14.45 - 15.15h Break
- 15.15 - 16.00h Lecture by Prof. W. (Werner) Schiehlen, University of Stuttgart, Germany: *Metabolic costs of human locomotion*
- 16.00- 16.45h Lecture by Prof. H. (Henk) Nijmeijer, TU Eindhoven:
Synchronization in mechanical systems
- 16.45 - 16.50h Closure



Registration Form Mechanics & Control

Wednesday, 26 April 2006

Auditorium Building, Eindhoven University of Technology The Netherlands

Please complete this form and return it before 15 March 2006 by email or fax to:

Mrs. Ine van den Oever
Department of Mechanical Engineering
Eindhoven University of Technology
Email: W.P.J.M.v.d.Oever@tue.nl
Fax: 040 - 243 7175

Name + Initial _____ Title _____

First name _____ Male Female

University / Company _____

Department _____

Office address _____

Phone _____

Fax _____

Email _____

