

Invited speakers from ECMI Bielefeld 26-28 April 2006

Prof. Heinz W. Engl

Industrial Mathematics Institute, Johannes Kepler Universität Linz, Austria
Johann Radon Institute for Computational and Applied Mathematics of the Austrian Academy of Sciences,

Born: 1953 in Linz
1977 Doctoral degree awarded „sub auspiciis praesidentis“ (under the auspices of the Austrian President, highest academic honor) at the University of Linz
1979 Habilitation for Mathematics, University of Linz
since 1988 Full Professor and holder of the Chair for Industrial Mathematics at the University of Linz
1992-1999 Head of the Christian Doppler Laboratory for Mathematical Modelling and Numerical Simulation
since 1999 Head of the Industrial Mathematics Competence Center
since 2003 Director, Johann Radon Institute for Computational and Applied Mathematics (RICAM) of the Austrian Academy of Sciences
since 2003 Full Member of the Austrian Academy of Sciences (corresponding member from 2000)
1991-1997 Member of the GAMM board
1994-1996 President of the European Consortium for Mathematics in Industry (ECMI)
2001- 2005 President of the Austrian Mathematical Society .
1998 – 2001 Chairman of the Committee for Applied Mathematics of the European Mathematical Society
Founder and owner of the company MathConsult GmbH

Prof. Helge Holden

Norwegian University of Science and Technology, Trondheim.

Born: 1956 in Oslo
1985 PhD in mathematics from University of Oslo.
1985 -86 post doctoral fellow at New York University (Courant Institute of the Mathematical Sciences),
1986-1990 associate professor of the Norwegian Institute of Technology,
since 1991 full professor at Norwegian University of Science and Technology, Trondheim.
He is actively engaged in research in pure and applied/industrial mathematics, specializing in flow in porous media.
2004-2006 President of ECMI during the period 2004-06, and is
2006-2009 Secretary of the European Mathematical Society (EMS)

Prof. H. Neunzert

Fraunhofer Institut für Techno- und Wirtschaftsmathematik (ITWM)
Technical University of Kaiserslautern

1936 born in Muenchen, Germany
1954.1959 studies mathematics and physics at the Ludwigs-Maximilian Universität München

1959	Staatsexamen, to become a high school teacher
1960.1972	Research at the Research Centre Juelich, from 1970 vice-director of its "Institute for Applied Mathematics" Research area: Modelling and scientific computing, mainly in the field of plasma physics and of neutron transport
1965	PhD in Mathematics at the Technische Hochschule Aachen
1971	Habilitation: Venia Legendi for Mathematics
1973-1974	Associate professor for applied mathematics at Aachen
since 1974	Full Professor at the University of Kaiserslautern: Chair for the "Mathematical Foundation of Physics and Technology" Research area: Kinetic theory and fluid dynamics
since 1978	Growing activities in industrial mathematics, since then more than 250 cooperations with industries all over the world
1979	one of the "inventors" of "Technomathematics", which is now offered
1979 and 1982	at more than 20 German and as many foreign universities offers of chairs at the Technical University of Wien and at the University of Hamburg rejected
1986	founding member and 1988 president of the European Consortium for Mathematics in Industry (ECMI)
since 1989	start of many international university cooperations and of study programmes for 3 rd world students, especially from India
1996	Many visits to foreign universities, mainly in Italy, Sweden and India Founder of the "Institut fuer Techno- und Wirtschaftsmathematik" (ITWM), an institute for industrial mathematics, which became the first mathematical Fraunhofer Institute in 2001; director of this institute until 2001
since 2001	responsible for international affairs and scientific exchange at ITWM, member of the scientific advisory board of ITWM Cofounder of a Swedish "branch" of ITWM, the Fraunhofer Chalmers Centre for Industrial Mathematics and member of its board
2004	Professor emeritus at TU Kaiserslautern

AWARDS

Borchers Plakette of the RWTH Aachen for excellent PhD thesis (1965)
 Honorary Doctorate for technical sciences from the Johannes Kepler Universitaet in Linz (Austria) (1992)
 Prize for outstanding work on international university cooperation by the federal minister of research and education (1997)
 CICIAM pioneer prize, awarded by SIAM (1999)
 Landesverdienstorden Rheinland-Pfalz (2000)
 Akademiepreis des Landes Rheinland-Pfalz (2002)
 Corresponding Fellow of the Royal Society of Edinburgh (2003)
 Fraunhofer Medaille (2004)
 Honorary member of ECMI (2004)
 Zakir Hussain Prize of the Indian Society of Industrial and Applied Mathematics (ISIAM) (2004)

Author of about 100 papers and 4 books, editor of several journals and books; first supervisor of 40 PhD students

Prof.Hilary Ockendon

Oxford Centre for Industrial and Applied Mathematics (OCIAM)

Education

1968 DPhil Mathematics, Oxford University

Employment

1968- Fellow and Tutor in Applied Mathematics, Somerville College
Lecturer, Oxford University

Honours

1999 Honorary DSc, Southampton University

Books

Inviscid Fluid Flows, Springer 1983 (with A. B. Tayler)
Viscous Flow, CUP 1995 (with J. R. Ockendon)
Waves and Compressible Flow, Springer 2004 (with J.R. Ockendon)

Other Activities

1985- Editorial Board of the Mathematical Scientist
1998.2005 Council and Board member of European Consortium for Mathematics in
Industry
(ECMI)
1997- Editorial Board of *SIAM Review*
2001.3 President ECMI
2002-4 Member of IMA Council
2003- Editorial Advisory Board, Proceedings of the Royal Society
2003.5 Member of EMS Applied Mathematics Committee

Prof. John Ockendon

Oxford Centre for Industrial and Applied Mathematics (OCIAM)

Name: John Richard Ockendon

EMPLOYMENT

University Lecturer in Applied		
Mathematics	Oxford University	1976 to date
Research Director	OCIAM	1989 to date

OTHER APPOINTMENTS

Visiting Research Associate	University of Michigan	1966-67
Fellow	St Catherine's College, Oxford	1971 to
date		
Visiting Associate Professor	Courant Institute, NYU	1971-72
Visiting Professor	Cornell University	1975-76
Visiting Scientist	DSIR, Wellington, NZ	April-June 1978
Visiting Scientist	CSIRO, Melbourne	July-Dec 1984

HONORARY POSITIONS

Advisory Professor	Fudan University	July 1999
Fellow, Royal Society of London		1999

STUDY GROUPS AND WORKSHOPS WITH INDUSTRY

He has organised the following events;

Oxford Study Groups	1972-89
First Australian Study Group	1984

First Kobe Study Group		1998
First PIMS Study Group, Vancouver	1999	
Free Boundary Problems in Industry, Isaac Newton Institute		2000
First Fudan Study Group, Shanghai		2000
Dynamics of Interfaces, Kobe		2002-5

Also he has been invited to help inaugurate the following;

First Rensselaer Polytechnic Institute Study Group		1984
First PIMS Study Group, UBC, Vancouver	1999	
Free Boundary Problems in Industry, Isaac Newton Institute		2000
First Chinese Study Group, Fudan Univ, Shanghai		2000
First Indian Study Group, IIT, Mumbai		2002
First Schlumberger Study Group, Oxford	2003	
First Schott Glass Workshop, Mainz		2003
First Inverse Problems Study Group, UCLA	2003	
First South African Study Group, Johannesburg	2005	

He has participated in many follow up Study Groups.

EDITORIAL APPOINTMENTS

Editor	IMA Journal of Applied Mathematics	1975-82	
Executive Editor	IMA Journal of Applied Mathematics	1982-85	
Founding Editor	European Journal of Applied Mathematics	1989	to
date			
Editorial Boards	Applicable Analysis	1990-96	
	SIAM Journal on Applied Mathematics	1989-95	
	Applied Mathematical Letters	1988	to
date			
	Advances in Mathematical Science and Applications	1992 to date	
	Revista Matematica	1996 to date	
	Interfaces and Free Boundaries	1998	to
date			
	Meccanica	1998-2004	

89.

Prof. Mario Primicerio

University of Florence

Born: 1940 in Rome

since 1975 full Professor in Rational Mechanics at the Faculty of Sciences of the University of Florence

Some of research projects:

C.N.R. : "Nonlinear Filtration and Applications" (1990 - 91)

European Consortium for Mathematics in Industry: "Mathematical Models for Percolation of Coffee" (1991-96)

U.S.A.E.R.O.: "Ground freezing" (1992-95)

European Science Foundation: "Free Boundary Problems and Applications" (1993 - 1999)

Agenzia 2000 CNR: "Nonlinear Diffusion and Applications" (2000-2003)

Christensen Fellow of St. Catherine's College, Oxford, U.K.

Socio Correspondent of the Accademia Nazionale dei Lincei

President of I2T3 (Industrial Innovation Through Technological Transfer)

President of SIMAI (Società Italiana di Matematica Applicata e Industriale)

2006 – 2009 Chairman of the Committee for Applied Mathematics of the European Mathematical Society

Prof. Wil Schilders

Philips Research
Eindhoven University of Technology

Born: 1956

Studied mathematics at KU Nijmegen from 1974-1978 (cum laude).

Mathematics prize KU Nijmegen (1979).

Ph.D. Trinity College Dublin in 1980

Thesis published as book “Uniform numerical methods for problems with initial and boundary layers” (translated in Russian and Chinese).

Since 1980 in Philips Research, working on simulation methods for electronics problems (semiconductor device simulation, circuit simulation, electromagnetics, television tubes, polymer electronics, MRI scanners).

Since 1999 part-time professor at TU Eindhoven, heading the section on numerical analysis for industry.

Co-founder of Dutch foundation for industrial and applied mathematics (ITW),

Organizer of many workshops and conferences on model order reduction.

In 2002, organizer of SCEE-conference on scientific computing in electrical engineering, with a special Industry Day.

Editor of special volume in the series “Handbook of Numerical Analysis” (Elsevier), entitled “Numerical methods in electromagnetics” (2005), with chapters on model order reduction and applications.