



XXXIV International School of Hydraulics

11 - 14 May · 2015 · Żelechów · Poland

HYDRODYNAMIC AND MASS TRANSPORT AT FRESHWATER AQUATIC INTERFACES

Opening of the XXXIV International School of Hydraulics

Paweł Rowiński, Monika Kalinowska
Institute of Geophysics, Polish Academy of Sciences

Organizing Institutions



Institute of Geophysics
Polish Academy of Sciences



HYTECH Project



Committee for Water Resources Management
of the Polish Academy of Sciences



IAHR International Association
of Hydraulic Engineering and Research

Sponsoring Institutions



Institute of Geophysics
Polish Academy of Sciences



Earth and Planetary Research Centre



Committee for Water Resources Management
of the Polish Academy of Sciences



Leading National Research Centre

Invited Lectures

□ PETER DAVIES

Division of Civil Engineering, University of Dundee, UK

"Waves on density interfaces"

□ HEIDI NEPF

Massachusetts Institute of Technology, Department of Civil and Environmental Engineering, USA

"Vegetation Hydrodynamics at the Blade-Scale and the Canopy-Scale"

Invited Lectures

□ BERNHARD STATZNER*, NICOLAS LAMOUREUX**

* Former Research Director at Laboratory of Ecology of Natural and Man-impacted Hydrosystems (LEHNA), France

** National Research Institute of Science and Technology for Environment and Agriculture, France

"Testing predictions of changes in the abundance and community structure of benthic invertebrates and fish after flow restoration in a large river (French Rhône)"

□ ANDREA MARION

Department of Hydraulic, Department of Industrial Engineering, University of Padova, Italy

"The HYTECH Project and new opportunities for eco-hydraulics in the Marie Skłodowska-Curie Actions within Horizon 2020"

Scientific Committee

- **Jochen Aberle**, Norwegian University of Science and Technology, Norway
- **Francesco Ballio**, Polytechnic University of Milan, Italy
- **Robert Bialik**, Institute of Geophysics, Polish Academy of Sciences, Poland
- **Tjeerd Bouma**, Royal Netherlands Institute for Sea Research, Netherlands
- **Christoph Gerstgraser**, gIR Engineering, Germany
- **Monika Kalinowska**, Institute of Geophysics, Polish Academy of Sciences, Poland
- **Katinka Koll**, Technical University Braunschweig, Germany
- **Andrea Marion**, University of Padova, Italy
- **Wojciech Majewski**, Institute of Meteorology and Water Management, Gdynia
- **Marek Mitosek**, Warsaw Technical University, Poland
- **Magdalena Mrokowska**, Institute of Geophysics, Polish Academy of Sciences, Poland
- **Jarosław Napiórkowski**, Institute of Geophysics, Polish Academy of Sciences, Poland

Scientific Committee

- **Vladimir Nikora**, Engineering Department, University of Aberdeen, UK
- **Matthew O'Hare**, Centre for Ecology and Hydrology, United Kingdom
- **Sara Puijalón**, National Centre for Scientific Research, France
- **Artur Radecki-Pawlik**, Agricultural University of Cracow, Poland
- **Carlo Someda**, Giotto High Technology Photonics Srl, Italy
- **Alexander Sukhodolov**, Leibnitz Institute for Freshwater Ecology and Inland Fisheries, Germany
- **Simon Tait**, University of Sheffield, United Kingdom
- **Steve Wallis**, School of the Built Environment, Heriot-Watt University, United Kingdom
- **Geraldene Wharton**, Queen Mary University of London, United Kingdom
- **Mattia Zaramella**, WET Engineering, Italy

Organizing Committee

□ School Chairmen

- **Paweł M. Rowiński**,
Institute of Geophysics, Polish Academy of Sciences
- **Andrea Marion**,
HYTECH Project, University of Padua, Italy

□ Organizing Committee

- **Magdalena Mrokowska**, IGF
- **Monika Kalinowska**, IGF
- **Anna Łukanowska**, IGF
- **Matteo Tregnaghi**, HYTECH
- **Anna Zdunek**, IGF

Committee for Water Resources Management KGW
of the Polish Academy of Sciences PAN



cem Centre for Environmental Engineering
and Mechanics

Institute of Hydro-Engineering
of the Polish Academy of Sciences

XXIV International School of Hydraulics *Hydraulic Problems in Environmental Engineering*

Jastrzębia Góra
September 13 – 17, 2004



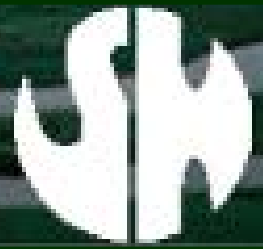
First school of international
character

chaired by Prof. Wojciech Majewski



XXVI International School of Hydraulics

19-22 September, 2006, Goniądz, POLAND



ENVIRONMENTAL HYDRAULICS



Previous lecturers, Goniądz 2006

- **Vladimir Nikora, UK**
- **Andreas Dittrich, Germany**
- **Ian Guymer, UK**
- **Wojciech Majewski, Poland**
- **Andrea Marion, Italy**
- **Steve Wallis, UK**
- **Anders Worman, Sweden**



XXVII International School of Hydraulics
18 - 21 September, 2007
The Eagle's Nest, Hucisko, Poland



TRANSPORT PHENOMENA IN HYDRAULICS



Previous lecturers, Hucisko 2007

- **Keith Beven, UK**
- **Włodzimierz Czernuszenko Poland**
- **Tom O'Donoghue, UK**
- **Dubravka Pokrajac, UK**
- **Wim S.J. Uijtewaal, The Netherlands**
- **Volker Weitbrecht, Germany**



XXVIII
XXVIII

International School of Hydraulics
International School of Hydraulics

23 - 26 September, 2008, Krag, Poland

**HYDRAULIC METHODS FOR CATASTROPHES:
Floods, Droughts, Environmental Disasters**



Previous lecturers, Krąg 2008

- **Gareth Pender, UK**
- **Jochen Aberle, Germany**
- **Wojciech Majewski , Poland**
- **Jarosław Napiórkowski , Poland**



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International School of Hydraulics

14 - 17 September • 2010 • Wiejce • Poland

EXPERIMENTAL METHODS AND TECHNIQUES IN HYDRAULIC RESEARCH



Previous lecturers, Wiejce 2010

- **Steven Coleman**, New Zealand
- **Cristiana di Cristo**, Italy
- **Subhasish Dey**, India
- **Rui M. L. Ferreira**, Portugal
- **Katinka Koll**, Germany
- **Wojciech Majewski**, Poland
- **J. Russell Manson**, USA



XXXII

International School of Hydraulics

28 - 31 May · 2012 · Łochów · Poland

EXPERIMENTAL AND COMPUTATIONAL SOLUTIONS OF HYDRAULIC PROBLEMS



Previous lecturers, Łochów 2012

- **Donald W Knight, UK**
- **Subhasish Dey, India**
- **Roberto Gaudio, Italy**
- **Andrea Marion, Italy**
- **Vladimir Nikora, UK**
- **Artur Radecki-Pawlik, Poland**
- **Paweł Rowiński, Poland**

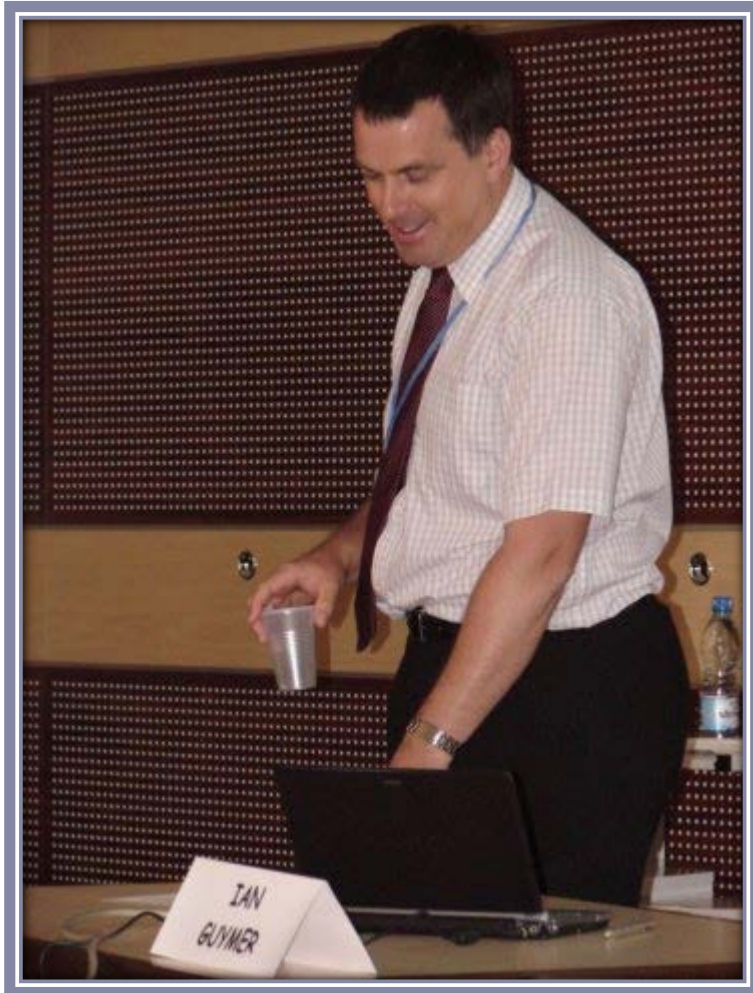
Selected invited speakers



Jochen Aberle



Ian Guymer



Katinka Koll & Steve Coleman



J. Russell Manson



Andrea Marion



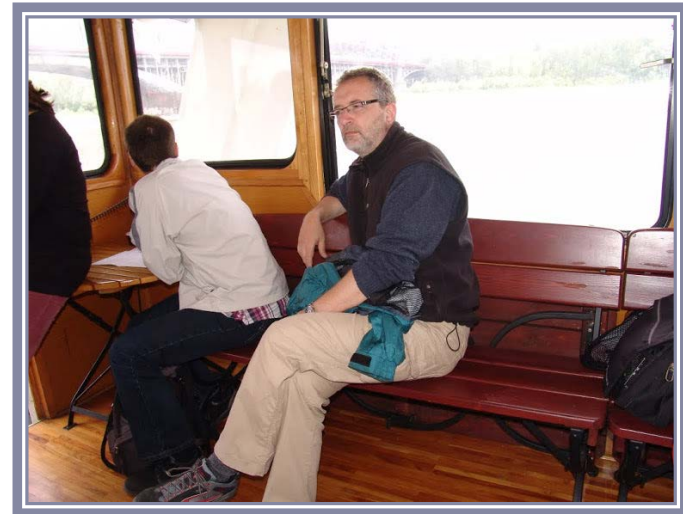
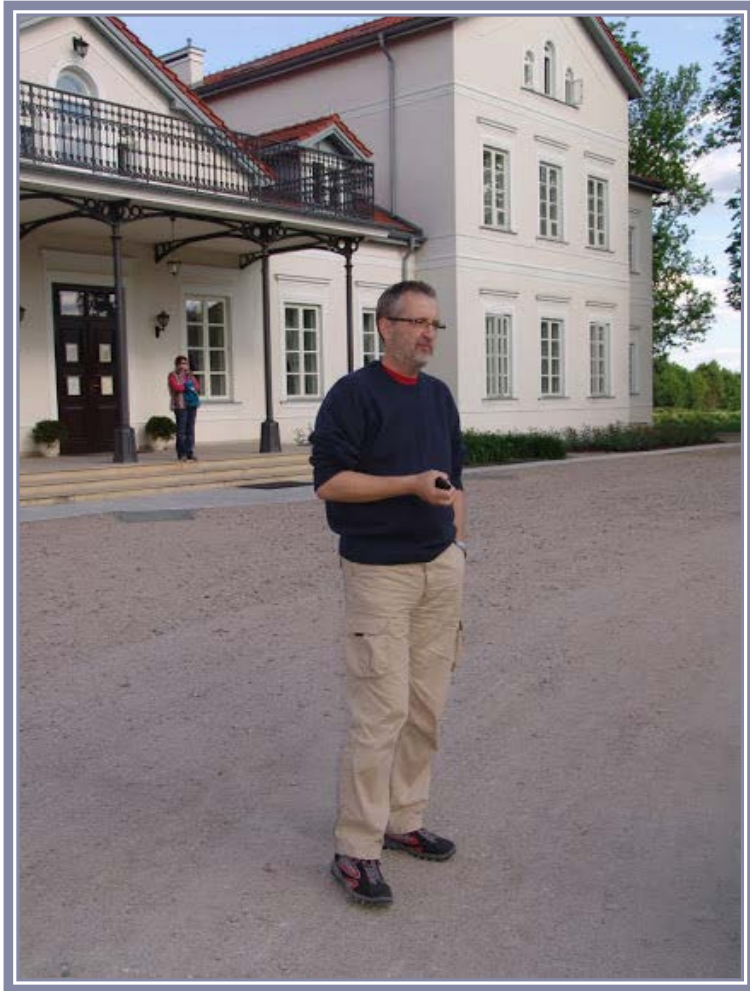
Jarosław Napiórkowski & Rui Ferreira



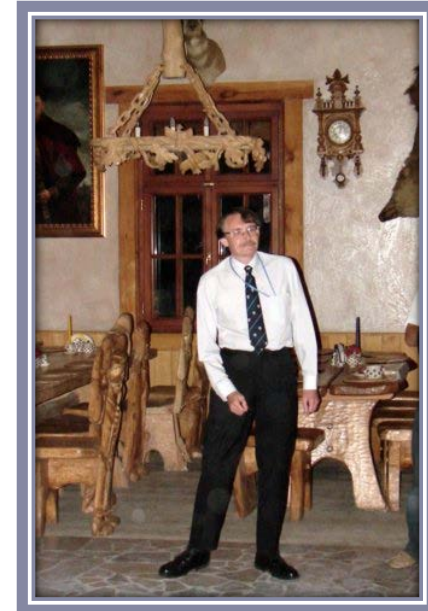
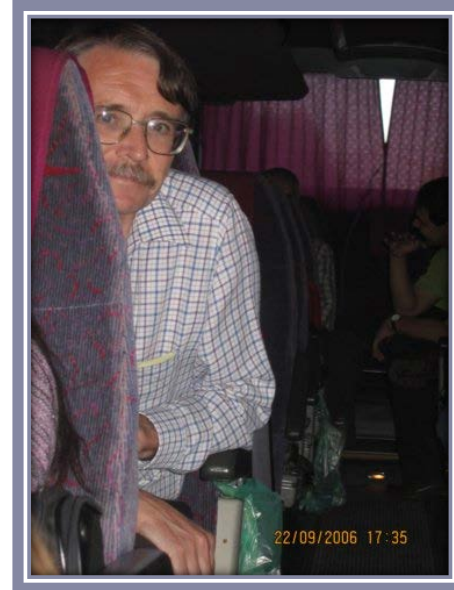
Vladimir Nikora



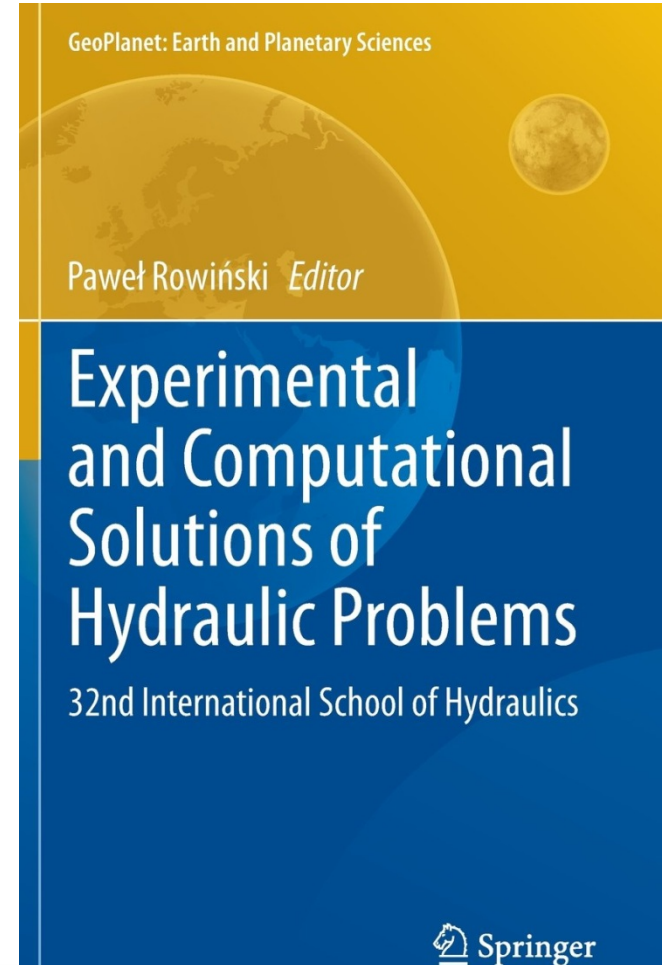
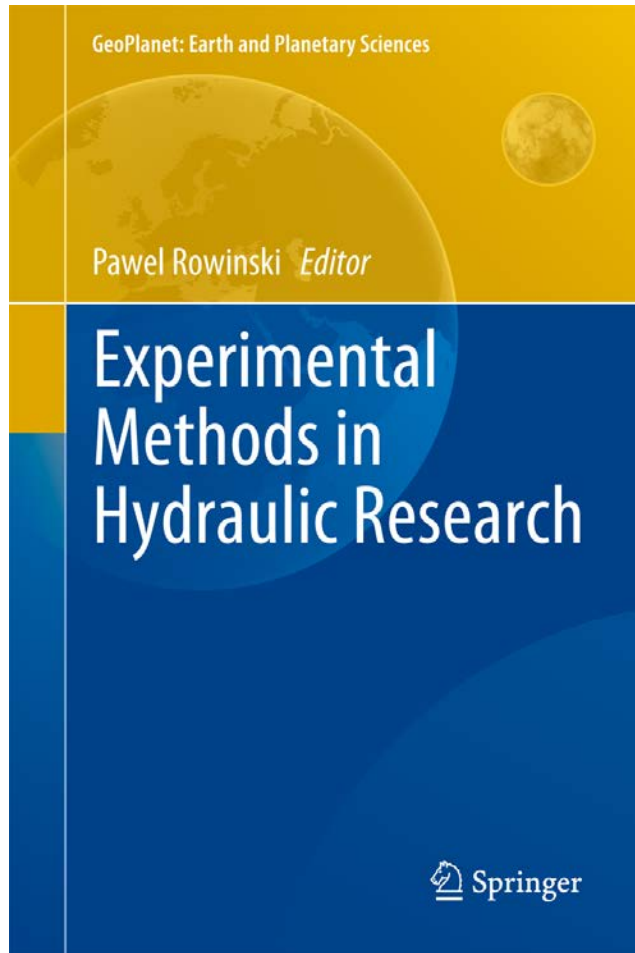
Artur Radecki-Pawlik



Steve Wallis



SPRINGER monographic series



Żelechów 2015

- ❑ 69 participants
- ❑ from 11 countries:
Chile, France, Germany, India, Italy, Mexico, the Netherlands, Norway, Poland, UK, USA
- ❑ from 4 continents





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BEST WISHES FOR A SUCCESSFUL AND
ENJOYABLE MEETING!!!!!!