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Special Professor Academic Chair 'Quantitative Water Management in Semi-Arid Regions'

Prof. Dr. R.J. Schotting

Foundation Academic Chair Sultan Qaboos bin Said Al Said

Brussels office
Franklinstraat 106-108
1000 Brussels
Belgium
Tel: +32 2 735 83 96
Fax: +32 2 735 84 66

The Hague office
Lange Voorhout 53
2514 EC Den Haag
The Netherlands
Tel: +31 70 345 62 10
Fax: +31 70 345 69 08

Seminar: *Quantitative Water Management - Relevant Contributions to Society and Science*

Monday 2 March 2009

Akademiegebouw Utrecht/ University Hall Utrecht (The Netherlands)

- 12.00 – 12.20 **Welcome & Registration (with coffee, tea and small sandwiches)**
- 12.30 – 12.35 **Introduction by the Chairman for today's seminar**
Prof. Dr. Hans P.M. Adriaansens, Dean Roosevelt Academy in Middelburg (The Netherlands)
- 12.35 – 12.45 **Opening Speech**
Mr. A.A.M. (Andries) van Agt, Chairman of the Foundation Academic Chair Sultan Qaboos bin Said Al Said
- 12.45 – 13.00 **From fighting against to creating with water after the 1953 flood**
Ir. L. A. (Leo) Adriaanse, Senior Advisor of the Directorate General of Public Works and Water Management of the Ministry of Transport, Public Works and Water Management
- 13.05 – 13.20 **Oman's 2007 flood in semi-arid areas: lessons learnt**
Professor Dr. Sanmugam A. Prathapar, Director of the Water Research Center, Sultan Qaboos University of Muscat
- 13.25 – 13.40 **Creating a sustainable water chain in densely populated coastal areas**
Mr. D. (Dick) van Dijk, Senior Consultant of the Netherlands Gulf Region Water Platform
- 13.45 – 14.05 *Coffee and tea will be served in the Maskerade Room*
- 14.05 – 14.20 **Carbon capture and hydrology in the GCC and in the EU**
Prof. Dr. Ing. Rainer Helmig, Institute of Hydraulic Engineering, University of Stuttgart
- 14.25 – 14.40 **The Bangladesh project and its significance for society**
Prof. Dr. J. (Hans) Bruining, Faculty of Civil Engineering & Geosciences, Delft University of Technology
- 14.45 – 15.00 **Management of hot and cold water: knowledge for the growing geothermal business**
Drs. A. (Guus) Willemsen, Director Business Development at IF Technology
- 15.05 – 15.20 **The 'unconventional' applications of water management**
Prof. Dr. Ir. S. M. (Majid) Hassanizadeh, Faculty of Geosciences, University of Utrecht
- 15.25 – 15.35 **Concluding remarks from the Chairman**

Thank you very much for your presence. The Inaugural Lecture of Professor Dr. Ruud J. Schotting starts at 16.15 hours in the Auditorium. In the meantime, coffee and tea will be served in the Maskerade Room.

Biographies of the speakers



Prof. Dr. (Hans) P.M. Adriaansens, Dean of the Roosevelt Academy

After having completed his doctoral dissertation in sociology (cum laude), Professor Adriaansens has been working worldwide at Universities (at Harvard University, Illinois, Massachusetts) and served as members of various councils including the Dutch Research Council for Government Policy (WRR). In the eighties, he served as Dean of the Faculty of Social Sciences of the University of Tilburg. In September 1987 he was appointed Professor of Social Sciences at Utrecht University. He became Dean of the faculty and founded University College Utrecht – the international honors college of University Utrecht – in 1996. In 2003, he started the preparations for a sister college to University College: Roosevelt Academy Middelburg, a joint venture of Utrecht University and The Polytechnic Zeeland, located in the medieval city hall of Middelburg.



Mr. A.A.M. (Andries) van Agt, Chairman of the Foundation Academic Chair Sultan Qaboos bin Said Al Said

After a career as Professor of Criminal Law at the Catholic University of Nijmegen, Mr. Van Agt fulfilled the position of Deputy Prime Minister and Minister of Justice in the seventies. He succeeded Joop den Uyl as Prime Minister of The Netherlands from 1977 to 1982. During these years he was also leader of the Christian Democrats. In 1983, Mr. Van Agt was appointed as the Queen's Commissioner of the Province North Brabant. Dries van Agt equally served as Ambassador of the European Community to Japan from 1987 to 1989 and to the United States from 1989 to 1995, followed by a position as Visiting Professor at (a.o.) the United Nations University in Tokyo. He is currently particularly concerned with the rights and peace process in the Israel/Palestine conflict.



Ir. L. A. (Leo) Adriaanse, Senior Advisor of the Directorate General of Public Works and Water Management of the Ministry of Transport, Public Works and Water Management

Ingenieur Adriaanse has been educated at Wageningen University in ecology. He is now senior advisor for water and coast management with 'Rijkswaterstaat' in the delta area in the Netherlands. He is an expert on integrated coastal zone management based on 25 years of experience. Among other things he initiated the European Interreg North Sea IIIb project ComCoast (Combined functions in Coastal Defence Zones), has been member of the Netherlands Water Partnership team that produced a Dutch perspective on coastal management in Louisiana for the United States Army Corps of Engineers after hurricane Katrina and he contributed to the National Water Policy Document (2008) for a safe and sustainable water management in the Netherlands.

Biographies of the speakers



Professor Dr. (Sanmugam) A. Prathapar, Director of the Water Research Center, Sultan Qaboos University

Dr. S.A. Prathapar joined the Sultan Qaboos University in 2002, served as the Head of Bioresources & Agricultural Engineering (2003-04), Head of Soils, Water & Agricultural Engineering Department (2005-07), and the Director of Water Research Center since Nov 2005. Previously, he worked at the University of Technology of Sydney as an Adjunct Professor (2001-2002), the International Water Management Institute as its Director for Pakistan & Central Asia (1997-2000), and the CSIRO Division of Water Resources in Australia, as a Principal Research Scientist (1987-1996). Dr. Prathapar has authored over 150 scientific publications & presentations, and pursues research in managed aquifer recharge, water treatment and reuse, integrated water resources management and sustainable agriculture.



Mr. D. (Dick) van Dijk, Senior Consultant of the Netherlands Gulf Region Water Platform

Mr. Van Dijk is, aside from his position as senior consultant, equally Regional Coordinator for the Netherlands Gulf Region Water Platform and he holds several senior positions in environmental and water treatment companies. Furthermore, Mr. Van Dijk is member of the International Water Association, the International Ultra Violet Association and the Netherlands Water Partnership. In the past, starting his career as Officer in Dutch Merchant Marine, Mr. Van Dijk held senior marketing positions in Europe, Middle East and Africa for international companies from 1965 to 1976. Afterwards, Mr. Van Dijk became active in the water technology industry and contributed to the clean-up of waste water streams of Belgian and Dutch industries. Mr. Van Dijk has equally been instrumental in re-defining regulations and the implementation of energy- and water-saving technologies.



Prof. Dr. Ing. (Rainer) Helmig of the Institute of Hydraulic Engineering, University of Stuttgart

Professor Helmig is Head of the Department of Hydromechanics and Modeling of Hydrosystems at the University of Stuttgart. As Chairman of the Senate Commission on Water Research of the German Research Foundation and as a member of the Steering Committee on Geotechnology Coordination of the German Federal Ministry of Education and Research, Professor Helmig applies his expertise to improve academic research. Furthermore, he is the spokesman of the German side of the International Research Training Group 'Non-linearities and upscaling in porous media'; a Dutch-German cooperation between TU Delft, TU Eindhoven, University of Stuttgart and Utrecht University. His ambition to inspire young students with enthusiasm for the scientific field can also be seen in his active involvement in the Stuttgart Research Centre for Simulation Technology, a platform for excellent young researchers.

Biographies of the speakers



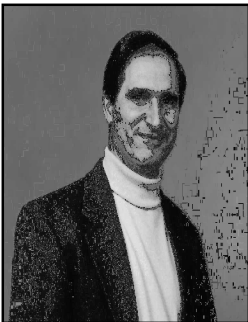
Prof. dr. J. (Hans) Bruining of the Faculty of Civil Engineering & Geosciences, Delft University of Technology

As Professor of Geo-Environmental Engineering, Civil Engineering and Geosciences at the Delft University of Technology, Hans Bruining is not only active in Delft educating his students in the world of geosciences. He equally has a great passion to work internationally. He has been working at Universities in Leuven, Texas, Manchester, and is currently Visiting Professor at the Instituto Nacional de Matemática Pura e Aplicada in Rio De Janeiro. In his capacity, he also advises companies, including multinational Shell. His excellent contributions to society have not remained unnoticed given the various honors and awards. Today's speech will address another interesting area: improving water security and -safety in developing countries. Here, Professor Bruining cooperates with Professor Schotting in the Bangladesh project.



Drs. A. (Guus) Willemsen, Director Business Development of IF Technology

Guus Willemsen (1953) is one of the founders of IF Technology, a company of consulting engineers in the field of geothermal energy. The company IF Technology was established in 1989 with the objective of developing and commercialising new technologies. Currently, 20 years later, 70 people are working for IF Technology, among which very talented and highly ambitious students of Professor Schotting. Mr. Willemsen is responsible for the business development of the company. He has further been involved in all aspects of geothermal energy: geology, modeling of flow and transport of heat, geochemical effects, environmental impacts and permitting, feasibility assessment and energy design.



Prof. Dr. Ir. S. M. (Majid) Hassanizadeh of the Faculty of Geosciences, University of Utrecht

Mr. Hassanizadeh is Professor of Hydrogeology and Senior Advisor at the Soil and Groundwater Department of research institute TNO. He graduated with honors from the Department of Civil Engineering at Pahlavi University in Shiraz, and earned his Ph.D at Princeton University. He started his career in Iran and moved to The Netherlands in 1984, starting as senior researcher at the National Institute of Public Health and Environment (RIVM). As of 2001, Mr. Hassanizadeh is Professor, first at the Delft University of Technology and later at Utrecht University. With more than 150 publications, Professor Hassanizadeh proves to be highly active in the academic field. This can also be seen from his various memberships, including the International Association of Hydrological Sciences and the International Association for Environmental Hydrology. Recently in 2008, he received an honorary degree of Doctor-Ingenieur from Stuttgart University.