

CURRICULUM VITAE Dr. Ir. C.M. (MARJOLEIN) DOHMEN-JANSSEN

Personal data

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Date of birth: 30-07-1970
Place of birth: Zwolle, The Netherlands
Nationality: Dutch; married, three children



Education

1994-1999 PhD-research, Delft University of Technology. Thesis: Grain size influence on sediment transport in oscillatory sheet flow. Promotors: prof. ir K. d'Angremond and prof. dr ir J.A. Battjes.
1992-1993 MSc-programme "River, Estuary and Coastal Engineering" at Imperial College of Science, Technology and Medicine, London, UK.
1988-1993 BSc/MSc-programme Civil Engineering, Hydraulics, Delft University of Technology, The Netherlands
1982-1988 Grammar school (Gymnasium β), Carolus Clusius College, Zwolle, The Netherlands

Courses

2015/2016 Educational Leadership, *Centre of Excellence in University Teaching, Utrecht University.*
2013/2014 Professional Leadership, *University of Twente Career Development Centre & Verheijden Advies*
2010/2011 ECIU Leadership Development Programme, *European Consortium of Innovative Universities*
2006 Coaching and Managing efficiently, *Eva Wiltingh bv, Centre for Academic Leadership*
2004 Academic skills for teachers, *University of Twente, Department of Philosophy*
2004 Coaching PhD-students, *Eva Wiltingh bv, Centre for Academic Leadership*
2001-2002 Didactic Training Programme ("DUIT"; equivalent to University Teaching Qualification, UTQ), *University of Twente, Department of Educational Science and Technology*
2001 Technical Writing and Editing, *Peterborough Technical Communications*
1999 Managing Large Research Projects, *Delft University of Technology*
1996 Presentation skills, *Delft University of Technology*

Working experience

2009-present University of Twente, Programme Director Civil Engineering
2008-present University of Twente, Associate Professor
2001-2008 University of Twente, Assistant Professor
1999-2001 University of Twente, post-doc
1994-1998 Delft University of Technology, researcher
1997-1998 WL | Delft Hydraulics, project-engineer
1989-1992 various student-jobs (a.o. guide in the information center for the building of the railway tunnel in Rotterdam; junior employee at Grontmij N.V; calculator at contractor Schagen B.V.)

Educational Leadership

Presently (as Programme Director Civil Engineering)

- Responsible for the content and quality of the curriculum of:
 - BSc-programme Civil Engineering (inflow: about 80 students/year)
 - MSc-programme Civil Engineering and Management (inflow: about 40 students/year)
 - 3TU MSc-programme Construction Management and Engineering (inflow: about 30 students/year)
 - PDEng-programme Civil Engineering (PDEng = Professional Doctorate in Engineering; 2-years, post-master designer programme; inflow about 10 students/year)

- Successfully led the writing of the self-evaluation reports of the BSc-programme CE and the MSc-programmes CEM and CME, that led to a positive evaluation by the accreditation committees and a re-accreditation of all three programmes (2011 and 2012).
- Member (since 2009) and chairman (since 2010) of the Management Team of the 3TU MSc-programme Construction Management and Engineering
- Responsible for the design and implementation of the new BSc-curriculum for Civil Engineering, according to the Twente Educational Model (2012-present; the first cohort in the new curriculum started in Sept 2013)
- Design and Implementation of the PDEng-programme Civil Engineering (2011-present)
- Fulfilling the role of Director of Education for the Faculty Engineering Technology (2012-present)
- Member of the Educational Management Team of the University of Twente (2011-present)
- Member of the Management Team of the Faculty Engineering Technology (2011-present)
- Chairman of the Educational Support Group of the Faculty of Engineering Technology (i.e. about 20 persons: programme directors, programme coordinators, student advisors and coordinators and support staff for internationalisation, student mobility, quality management and educational advise)
- Chief of educational support staff, involved in Civil Engineering, or in the faculty of Engineering Technology as a whole (7 persons)
- Member of the working-group "Educational Innovation" of the University of Twente, that developed the Twente Educational Model (2010-2012)
- Member visitation committee for the re-accreditation of the HBO-Bachelor programmes Building Engineering and Civil Engineering at Windesheim, University of Applied Sciences (April 2010)

Previously (as Assistant Professor or Associate Professor)

- Member (2008) and Chairman (2008-2009) of the Educational Committee for Civil Engineering
- Coordinator BSc-courses of the department Water Engineering and Management (2003 – 2009)
- Chairman of the committee to redesign the Mathematics courses in the BSc-programme Civil Engineering (2003 – 2005)
- Member of the programme council 'Civil and Construction Engineering' of the Foundation for Post Graduate Education (PAO, 2003-2011)

Teaching

- Teacher MSc-course 'Coastal and Offshore Engineering' (2008-2011), first-year BSc-course 'Water' (2001-2006), first-year BSc-course 'Design-Project Water' (2001-2004), MSc-course Design-project 'Nature development in flood plains' (2001-2002), Guest lecturer Hydraulic Engineering (2012-present), practice hours MSc-course 'Marine Dynamics' (2000), contributions to MSc-course 'Seminar Morphology' (2000-2010)
- Supervision BSc- and MSc-thesis projects (± 50 ; since 1995)
- Mentor first-year BSc-students (2001-2003, 2013), tutor first-year BSc-students (2013)
- Examiner oral exams Bachelor course 'Introduction to Coastal Engineering' (1994 - 1998)

Research

- Grants and projects:
 - River Bed Form Evolution Models for Flood Management; k€ 587; 2 PhD-students, 1 post-doc; funded by Technology Foundation (STW, Project 10483), 2010-2015
 - Short-Term Biophysical Interactions in Coastal Mangroves, 1 PhD-student (k€ 200); part of larger project Coastal Vulnerability: Innovative Use of Biogeomorphological Processes', funded by SDWA (Singapore Delft Water Alliance), 2009-2014
 - Dynamic roughness in rivers; k€ 177; 1 PhD-student; funded by Technology Foundation (STW, Project TCB.6222), 2003-2007
 - Coastal Zone Management of Banda Aceh Beaches, Sumatra, Indonesia; k€ 78.5; 1 PhD-student; funded by Ministry of National Education, Indonesia through the 'Technological and Professional Skills Development Sector Project' (potential PhD-student coached in writing research proposal), 2004-2009
 - Co-applicant of the project 'Small-scale International Sand Transport Experiments 1999, funded by the Human Capital and Mobility Program of the EU, 1999
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- Daily supervisor and Assistant Promotor of several PhD-students:
 - X. Dong: Appropriate flood forecasting for reservoir operation (completed: 24-8-2005)
 - A. Paarlberg: Dynamic roughness in rivers (completed: 28-8-2008)
 - E. Meilianda: Morphological Development of Banda Aceh Coast after the Tsunami of December 26, 2004 (completed: 19-6-2009)
 - E.M. Horstman: The Mangrove Tangle. *Short-Term Biophysical Interactions in Coastal Mangroves* (completed 25-4-2014)

Other research-related activities

- Associate Editor (2004-2005) for Special Section of Journal of Geophysical Research – Earth Surface on Marine Sandwaves and River Dune Dynamics (MARID) containing 17 papers originating from the MARID2004-workshop
- Reviewer international scientific journals (\pm 30 papers in Journal of Geophysical Research, Coastal Engineering, Continental Shelf Research, Journal of Hydraulic Engineering, the Coastal Engineering Journal, Geophysical Research Letters, Advances in Water Resources)
- Reviewer scientific proposals for STW (Technology Foundation, The Netherlands) and for NSF (National Science Foundation, USA)
- Member scientific juries:
 - NWO - STW: VENI-grants 2005
 - IWT-scholarships 'Water management and Hydrogeology' 2001 (IWT = Institute for encouragement of Innovation through Science and Technology of Belgium, scholarships for PhD-students)
 - PhD-committees of W.N. Hassan (2003), F. Sterlini-Van der Meer (2009), L. Dorst (2009), A.P. Tuijnder (2010), J.L.M. Schretlen (2012), W.M. Kranenburg (2013), S. Naqhsband (2014)
 - KIVI/Niria prize for best BSc-thesis of the University of Twente, 2004
 - Prize for best MSc-project of Civil Engineering (2001-2003)
- Organization conferences/workshops:
 - Vice-chairman organization committee 5th International Conference on 'River, Coastal and Estuarine Morphodynamics' RCEM2007, 17-21 September 2007, \pm 220 participants from 20 countries
 - Chairman NCK-days 2005 (Netherlands Centre for Coastal Research), March 10-11, 2005; \pm 120 participants
 - Member organization committee international workshop 'Marine Sand waves and River Dune Dynamics, MARID2004, 1-2 April 2004, \pm 100 participants
- Laboratory experiments
 - Eight sets of experimental research in the Large Oscillating Water Tunnel WL|Delft Hydraulics (carried out as PhD-student and as project leader of Delft Hydraulics; about 15 months)
 - One set of experiments in the Large Wave Flume of the University of Hannover, Germany (carried out as post-doc, 3 months)
 - One set of experiments in the large wave tank of the Hydraulics Laboratory of Imperial College, London, UK (carried out as MSc-student, 2 months)

International activities

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| Sept 2016 | Visit to Trinity College, Dublin to investigate possibilities for student/staff exchange |
| Feb 2016 | Study tour to three universities in the UK (University of Loughborough, University of Bradford, University of Leeds) as part of the Educational Leadership Programme |
| June 2015 | Visit to IIT-Madras and IIT-Kharaghpur, India, to investigate possibilities for international collaboration and student/staff exchange |
| Sept 2013 | Visit to Syiah Kuala University, Banda Aceh, Sumatra, Indonesia. Invited by dr Ella Meilianda to give a key-note lecture at the Aceh International Symposium on Civil Engineering (AISCE) and a presentation on the Twente Educational Model. |
| April 2011 | Work visit about educational innovation to Technical University of Denmark, Copenhagen; Aalborg University, Denmark and Aalto University, Helsinki, Finland; as member of a delegation of the University of Twente. |
| 2010-2011 | Visits to Tecnológico de Monterrey, Queretaro Campus, Mexico and Aalborg University, Denmark; as participant of the ECIU leadership programme |
| 1994 – 2012 | Presentations at various international scientific conferences |
| 2005-2006 | Cooperation with Dr Poh Poh Wong, National University of Singapore, Department of Geography, on the coastline changes in Banda Aceh due to the tsunami and the morphological development since the tsunami, resulting in a joint paper |
| Sept 2006 | Visit to US Geological Survey, Santa Cruz, California, to present our dune development model and to discuss research on coastal impact of tsunamis with Dr. B.E. Jaffe and Dr. G. Gelfenbaum |

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- June 2006 10-days work visit to China, visiting dr X.H. Dong (Three Gorges University, Yichang), dr. Y. Huang (Yangtze Commission, Wuhan) and prof. dr Y. Chen (Sun Yat-Sen University, Guangzhou)
- 2003-2005 Cooperation with Prof. dr. D.M. Hanes at University of Florida on sheet flow under wave groups, resulting in a journal paper
- April 2001 2-weeks work visit to Prof. dr. D.M. Hanes at University of Florida, analyzing sediment transport processes, resulting in a journal paper
- Dec 1999 4-weeks work visit to prof. dr. S.R. McLean at University of California – Santa Barbara to analyse sediment transport processes observed during SISTEX99, resulting in a contribution to the AGU Fall meeting (December 1999)
- 1999 project leader and researcher of "SISTEX99" (Small-scale International Sand Transport Experiments 1999). The experiments were carried out between April and August 1999 with a group of 5 scientists and 6 students from 4 different countries in the Large Wave Flume of the Forschungszentrum Küste, University of Hannover, Germany
- 1997-2001 participant NICOP-project 'Local Sand Transport Processes and Morphological Evolution (NICOP = Naval International Collaboration Program), funded by the US Office of Naval Research; project with 6 partners and about 15 scientists)
- 1998-2001 participant EU SEDMOC-project (Sediment Transport Modelling in Marine Coastal Environments; project with 13 partners and about 40 scientists)
- 1994-1995 participant "G8 Coastal Morphodynamics" (G8-M) research project of the EU Marine Science and Technology Programme (MAST-II; project with 35 partners and > 100 scientists)
- 1992-1993 MSc-programme "River, Estuary and Coastal Engineering"
Imperial College of Science, Technology and Medicine, London

Languages

- Dutch: mother tongue
English: fluently
German: moderate
French: moderate

Publications

see publication list

Additional activities

- Chairman of the general consistory of the Protestants Church of Enschede (since 2015)
- Member of the building committee for the renovation and extension of the Vredeskerk into the Ontmoetingskerk in Enschede (2011-2015)
- Member of the board of the Stichting Huis van Verhalen, Enschede (since 2006)
- Chairman Parents Committee of Day Care Centre De Parasol (2005-2010) and member of the Central Parents Committee of the Stichting Kinderopvang Enschede (2005-2009)

Other things that I enjoy

Camping with my family, modern ballet (Graham technique), playing the cello, photography, Danish detectives, walking, cycling, wine and good food