

Coordinates:

Date of birth: 29 October 1942
Office: Department of Environmental Engineering
Technical University of Denmark (DTU)
Bygningstorvet, Building 115
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Degrees:

1969 MSc (civil engineering)
1973 PhD (hydrology)
1993 Dr. Techn.

Employment:

1969-1973 Research Associate, Dept. of Hydrodynamics and Water Resources, DTU
1973-1988 Associate Professor, Dept. of Hydrodynamics and Water Resources, DTU
1978-1988 Head, Dept. of Hydrodynamics and Water Resources, DTU
1988-2013 Professor, Depts. of Hydrodyn. and Water Resour. / Environmental Eng., DTU
1989-2001 Head, Groundwater Research Centre, DTU
2013- Professor Emeritus, Department of Environmental Engineering, DTU

Awards:

1992 The Dana-Lim Prize
2000 Knight's Cross of the Order of the Dannebrog
2001 The Henry Darcy Medal of the European Geophysical Society
2009 Top Referee Award, Journal of Hydrology
2017 The IAHS-UNESCO-WMO International Hydrology Prize – The Volker Medal

Memberships:

1969- The Society of Danish Engineers (IDA)
1974- Nordic Association for Hydrology (NHF)
1987- International Association of Hydrological Sciences (IAHS)
1989- American Geophysical Union (AGU)
1992- European Geosciences Union (EGU)
1993- European Water Resources Association (EWRA)
2001- International Water Association (IWA)

International appointments:

1982-1986 Member of the Working Group for the UNESCO-IHP Project A 4.3: The Process of Water Resources Project Planning: A Systems Approach

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| 1987-1991 | Member of the International Committee on Atmosphere-Soil-Vegetation Relations (ICASVR) |
| 1991 | Co-convener of the IAHS Symposium: Hydrological Interactions Between Soil, Vegetation and Atmosphere, Vienna, Austria |
| 1991-1993 | Member of the European Committee for Water Resources Management (ECOWARM) |
| 1991-1999 | Vice-President of the International Commission on Water Resources Systems (ICWRS) |
| 1993 | Co-convener of the IAHS Symposium: Extreme Hydrological Events: Precipitation, Floods and Droughts, Yokohama, Japan |
| 1993-1997 | Coordinator of European Groundwater Research Programme (EUGREP) under the EC Human Capital and Mobility Programme |
| 1995 | Co-convener of the EGS Session: Estimation of Hydrological Risk |
| 1995 | Co-convener of the IAHS Symposium: Modelling and Management of Sustainable Basin-Scale Water Resource Systems, Boulder, USA |
| 1995-1998 | Member of the Working Group for the ICWRS Project: Sustainable Reservoir Development and Management |
| 1996-2009 | Danish delegate to the Intergovernmental Council of the International Hydrological Programme (IHP), UNESCO |
| 1996-2000 | Chairman of the Coordination Committee of the Nordic IHP/Hydrology Committees |
| 1996 | Member of the Scientific Advisory Committee for the International Conference on Water Resources & Environment Research: Towards the 21st Century, Kyoto |
| 1997 | Convener of the IAHS Symposium: Sustainability of Water Resources under Increasing Uncertainty, Rabat, Morocco |
| 1997 | Member of expert panel for evaluation of research proposals submitted to the EC Environment and Climate Programme |
| 1997-2010 | Member of the Science Steering Group of the Baltic Sea Experiment - BALTEX |
| 1998 | Member of the Scientific Advisory Committee for the International Workshop on Barriers to Sustainable Management of Water Quantity and Quality, Wuhan, China |
| 1998 | Member of the Scientific Advisory Committee for the international conference: Hydroinformatics 98, Copenhagen |
| 1999-2002 | Member of the ad hoc Governance Committee of International Hydrological Programme (IHP), UNESCO |
| 1999 | Co-convener of the IAHS Symposium: Hydrological Extremes: Understanding, Predicting, Mitigating, Birmingham, UK |
| 1999-2001 | President-elect of the International Commission on Water Resources Systems (ICWRS) |
| 2000-2004 | Member of the Coordination Committee of the Nordic IHP/Hydrology Committees |
| 2000-2004 | Member of the NATO Science Advisory Panel on Environmental and Earth Science & Technology |
| 2000 | Co-convener of the EGS session: Regional Analysis of Floods, Droughts and Low Flows, Nice, France |
| 2000 | Member of expert panel for evaluation of research proposals submitted to the EC Environment and Climate Programme |

- 2000 Convener of Groundwater 2000 - International Conference on Groundwater Research, Copenhagen
- 2000 Member of the Scientific Advisory Committee for the international conference: Hydroinformatics 2000, Iowa, USA
- 2001 Co-convener of the EGS session: Regional Frequency Analysis of Extreme Precipitation and Floods, Nice, France
- 2001 Member of the Scientific Organizing Committee for the Third Study Conference on BALTEX, Åland
- 2001-2005 President of the International Commission on Water Resources Systems (ICWRS)
- 2001-11 Member of the Bureau of International Association of Hydrological Sciences (IAHS)
- 2001-2005 Member of the EGS Henry Darcy medal committee
- 2002 Co-convener of the EGS session: Rainfall-runoff Modelling of Ungauged Catchments for Engineering Purposes
- 2002-2004 Chairman of the Ad Hoc Governance Committee of International Hydrological Programme (IHP), UNESCO
- 2003 Convener of the EGS/AGU/EUG session: Modelling Water and Energy Budgets from Catchment to Global Scales, Nice France
- 2003 Co-convener of the IAHS symposium: Water Resources Systems: Global Change, Risk Assessment and Water Management, Sapporo, Japan
- 2003-2005 Member of the Swedish Research Council's Evaluation Panel on Processes in Soil, Atmosphere and Water
- 2004-2005 Member of the Swedish National Agency for Higher Education's Evaluation Panel on Physics, Astronomy, Meteorology and Hydrology
- 2004 Convener of the EGU session: Modelling Water and Energy Budgets from Catchment to Global Scales, Nice, France
- 2004 Co-convener and member of the Scientific Organizing Committee of 4th Study Conference on BALTEX, Gudhjem, Bornholm
- 2004 Convener of the theme: Hydrology of Extremes at the International Conference on Hydrology: Science & Practice in the 21st Century, London, UK
- 2005 Member of the Scientific Committee for the International Conference on Integrated Assessment of Water Resources and Global Change: A North-South Analysis
- 2005 Convener of the EGU session: Modelling Water and Energy Budgets from Catchment to Global Scales, Vienna, Austria
- 2005-07 Past-president of the International Commission on Water Resources Systems (ICWRS)
- 2005 Vice-chair of the Scientific Committee for the International Symposium on Sustainable Water Resources Management and Oasis-hydrosphere-desert Interaction in Arid Regions, Beijing, China
- 2006 Convener of the EGU session: Coupling Hydrology and Atmosphere from Catchment to Global Scales, Vienna, Austria
- 2006 Co-convener of the EGU session: Hydrological Assessment and Integrated Water Resources Management with Special Focus on Developing Countries, Vienna, Austria

- 2006 Member of the Scientific Committee for the International Conference on Hydrological Sciences for Managing Water Resources in the Asian Developing World, Guangzhou, China
- 2006 Member of the Scientific Committee for the XXIV Nordic Hydrological Conference, Nordic Water 2006, Vingsted, Denmark
- 2006 Member of the International Advisory Committee for the 7th International Hydroinformatics Conference (HIC 2006), Nice, France
- 2006 Member of the Scientific Steering Committee for the 3rd International Symposium on Integrated Water Resources Management, Bochum, Germany
- 2007 Co-convener of the EGU session: Integrated Water Resources Assessment with Special Focus on Developing Countries, Vienna Austria
- 2007 Co-convener of the EGU session: Climate-soil and Vegetation Interactions in Ecological-Hydrological Processes, Vienna Austria
- 2007 Member of the Conference Committee for 5th Study Conference on BALTEX, Kuressaare, Estonia
- 2007-08 Member of the Evaluation Panel for Finnish Water Research
- 2007-11 Vice-President of International Association of Hydrological Sciences (IAHS)
- 2008 Co-convener of the EGU session: Integrated Water Resources Assessment and Technology Transfer, with Special Focus on Developing Countries, Vienna Austria
- 2009 Member of the International Advisory Committee for Water, Environment, Energy and Society (WEES 2009), New Delhi, India
- 2009 Co-convener of the EGU session: Integrated Water Resources Assessment and Management: Developing countries, Environment and Legal Frameworks, Vienna, Austria
- 2009 Scientific hydrology convener of Joint International Convention (8th IAHS Scientific Assembly & 38th IAH Congress), Hyderabad, India
- 2010 Member of the Scientific Advisory Committee for HydroPredict 2010, Prague, Czech Republic
- 2010 Member of the International Scientific Committee for the 9th International Conference on Hydroinformatics 2010, Tianjin, China
- 2011 Co-convener of the EGU session: Large Scale Hydrology, Vienna, Austria
- 2011 Scientific hydrology convener of the IUGG XXV General Assembly, Melbourne Australia
- 2011- Member of the IUGG Union-Commission on Climatic and Environmental Change (CCEC)
- 2012 Co-convener of the EGU session: Large Scale Hydrology, Vienna, Austria
- 2013 Co-convener of the EGU session: Large Scale Hydrology, Vienna, Austria
- 2013 Convener of the symposium: Implications of sea level rise for the coastal zone at the Joint IAHS, IAPSO, IASPEI Assembly, Gothenburg, Sweden
- 2014 Co-convener of the EGU session: Large Scale Hydrology, Vienna, Austria
- 2015 Co-convener of the EGU session: Large Scale Hydrology, Vienna, Austria
- 2016 Co-convener of the EGU session: Large Scale Hydrology, Vienna, Austria
- 2016 Member of the Scientific Committee for the 7th International Water Resources Management Conference of ICWRS, Bochum, Germany
- 2018-2021 Member of the EGU Henry Darcy medal committee
- 2018 Member of the Scientific Committee for the 8th International Water Resources Management Conference of ICWRS, Beijing, China

2020- Honorary President of International Association of Hydrological Sciences (IAHS)

Selected national appointments:

1973-1980
1987-1993
1996-2002 Member of The Water Pollution Committee of The Society of Danish Engineers
1982-1986 Member of the Danish National Committee for the International Decade on Water Supply and Sanitation
1983- Member of the Danish National Committee for the International Association of Hydrological Sciences (IAHS)
1886-1993 Member of the Research Committee of the Danish Land Development Service
1986- Member of the Danish National Committee for the International Water Association (IWA)
1990-2000 Member of the Senate at the Technical University of Denmark
1991-2010 National Representative for the International Association of Hydrological Sciences (IAHS)
1991-2010 Member of the Danish National Committee for the International Union of Geodesy and Geophysics (IUGG)
1992-1998 Member of the Board of Directors of Danish Hydraulic Institute (DHI)
1992-2000 Deputy Head of the Groundwater Group associated the Danish Environmental Research Programme
1994-2003 Vice-chairman of the Danish Water Resources Committee
1995- Member of the Science Committee of the Danish UNESCO National Commission
1997-2001 Member of the Scientific Council of Danish Center for Applied Mathematics and Mechanics
2000-2011 Chairman of the Association of Residence Halls connected with DTU
2001-2008 Member of the Board of Directors of Technical University of Denmark
2007-2013 Member of the Steering Committee for the Research and Innovation Platform Water
2009-2012 Member of the steering group for the Water and Environment theme of the Sino-Danish Centre for Education and Research
2014 Member of the Water Council for the main catchment area 2.3 Øresund
2014-17 Member of the Board of Furesø Waste Water
2017 Member of the Water Council for the main catchment area 2.3 Øresund
2018- Member of the Board of Novafos

Editorial assignments:

1977-86 Referee for *Nordic Hydrology*
1986-2011 Editor of *Hydrology Research*, until 2008 *Nordic Hydrology*
1987- Referee for *Stochastic Environmental Research and Risk Assessment*, until 1999
Stochastic Hydrology and Hydraulics
1988- Referee for *Journal of Hydrology*
1991 Co-editor of *Hydrological Interactions Between Atmosphere, Soil and Vegetation*, IAHS Publ. no. 204
1991-98 Member of the Advisory Board for *Stochastic Hydrology and Hydraulics*

- 1993 Co-editor of *Extreme Hydrological Events: Precipitation, Floods and Droughts*, IAHS Publ. no. 213
- 1993- Referee for *Water Research*
- 1994- Referee for *Water Resources Research*
- 1994 Editor of *Nordic Hydrological Conference Proceedings*, NHP Report no. 34
- 1995 Co-editor of *Modelling and Management of Sustainable Basin-Scale Water Resource Systems*, IAHS Publ. no. 231
- 1996- Referee for *Journal of Water Resources Planning and Management*, ASCE
- 1996- Referee for *Hydrological Sciences Journal*
- 1997 Editor of *Sustainability of Water Resources under Increasing Uncertainty*, IAHS Publ. no. 240
- 1997- Referee for *Coastal Engineering*
- 1997- Referee for *Environmetrics*
- 1997- Referee for *Advances in Water Resources*
- 1998- Member of the Editorial Board for *Extremes*
- 1998- Referee for *Water Science and Technology*
- 1998- Referee for *Hydrology and Earth Science Systems*
- 1998 Co-editor of *Sustainable Reservoir Development and Management*, IAHS PUBL. no. 251
- 1999-2010 Member of the International Editorial Advisory Board for *Journal of Hydroinformatics*
- 1999 Co-editor of *Hydrological Extremes: Understanding, Predicting, Mitigating*, IAHS Publ. no. 255
- 2000- Referee for *Physics and Chemistry of the Earth*
- 2001 Co-editor of *Regional Management of Water Resources*, IAHS Publ. no. 268
- 2002- Referee for *Journal of Hydrologic Engineering*, ACSE
- 2002- Referee for *Hydrological Processes*
- 2003 Co-editor of *Water Resources Systems – Water Availability and Global Change*, IAHS Publ. no. 280
- 2003 Co-editor of *Water Resources Systems – Hydrological Risk, Management and Development*, IAHS Publ. no. 281
- 2005- Referee for *Climatic Change*
- 2006- Referee for *Water Resources Management*
- 2006- Referee for *The International Journal of River Basin Management*
- 2006- Referee for *Ambio*
- 2006- Referee for *Water International*
- 2006 Co-editor of the *Proceedings of the International Symposium on Sustainable Water Resources Management and Oasis-hydrosphere-desert Interaction in Arid Regions*, 27-29 Oct. 2005, Beijing
- 2007- Referee for *Mathematical Geology*
- 2007 Co-editor of *Quantification and Reduction of Uncertainty for Sustainable Water Resources Management*, IAHS Publ. no. 313
- 2007 Co-editor of *Changes in Water Resources Systems: Methodologies to Maintain Water Security and Ensure Integrated Management*, IAHS Publ. no. 315
- 2007- Referee for *Hydrogeology Journal*
- 2009- Referee for *Biosystems Engineering*
- 2009- Referee for *Climate Dynamics*
- 2010- Referee for *Journal of Flood Risk Management*

- 2012- Member of the Editorial Board for *Hydrology Research*
- 2013 Coordinating contributor to *Runoff Prediction in Ungauged Basins*, Chapter 9
- 2014- Referee for *Journal of Water Resources Planning and Management*, ASCE
- 2014- Referee for *Climatic Change*
- 2014- Referee for *Environmental Earth Sciences*
- 2016 Member of the International Advisory Committee for *Handbook of Applied Hydrology*
- 2018- Referee for *Nature Sustainability*

Committees (Professor and PhD)

- 1986 Professor committee, University of Oslo, Norway
- 1990 PhD committee, Uppsala University, Sweden
- 1993 PhD committee, University of Oslo, Norway
- 1994 PhD committee, University of Aarhus, Denmark
- 1995 PhD committee, Royal Veterinary and Agricultural University, Denmark
- 1995 Professor committee, Royal Institute of Technology, Sweden
- 1995 Professor committee, Colorado School of Mines, USA
- 1997 PhD committee, Technical University of Denmark
- 1997 Professor committee, Tufts University, USA
- 1998 PhD committee, Lund University, Sweden
- 2001 PhD committee, Technical University of Denmark
- 2002 Professor committee, Royal Institute of Technology, Sweden
- 2002 PhD committee, Lund University, Sweden
- 2002 PhD committee, Norwegian Univ. of Science and Technology, Norway
- 2003 PhD committee, Technical University of Denmark
- 2004 Professor committee, University of Oslo, Norway
- 2004 PhD committee, UPC Barcelona, Spain
- 2005 PhD committee, Technical University of Denmark
- 2006 Professor committee, Royal Institute of Technology, Sweden
- 2006 PhD committee, The University of Newcastle, NSW, Australia
- 2007 PhD committee, University of Copenhagen, Denmark
- 2007 PhD committee, Institute National Polytechnique de Grenoble, France
- 2009 Professor committee, Helsinki University of Technology, Finland
- 2009 PhD committee, Delft University of Technology, The Netherlands
- 2009 PhD committee, Lund University, Sweden
- 2009 Professor committee, University of Saskatchewan, Canada
- 2010 Professor committee, Uppsala University, Sweden
- 2010 PhD committee, Aarhus University
- 2012 PhD committee, University of Potsdam, Germany

PhD supervision (main supervisor)

See <http://homepage.env.dtu.dk/dr/phdlist.pdf>

Publication list

See <http://homepage.env.dtu.dk/dr/publist.pdf>