
Curriculum Vitae Bijan Dargahi

Personal

Family name: Dargahi
First name: Bijan
Year of birth: 1951
Nationality: Swedish
Email: Bijan@kth.se



Education

1972: General Certificate of Education: G.C.E Advance level, University of London, England
1976: B.Sc Honours in Civil Engineering, Polytechnic of Central London, England
1978: Postgraduate Diploma in Hydraulic Engineering Intern. Inst. of Hydraulic Eng. Delft, Holland
1985: Licentiate of Engineering, The Royal Inst. of Tech., Div. of Hydraulic Engineering, Stockholm
1988: PhD in Hydraulic Engineering: The Royal Inst. of Tech., Div. of Hydraulic Engineering, Stockholm
1993: Docent in Hydraulic Engineering: The Royal Inst. of Tech., Div. of Hydraulic Engineering, Stockholm

Language skills

- *English: Fluent*
- *Swedish: Fluent*
- *French: Elementary*

Employer

- *The Royal institute of Technology, Division of Hydraulic Engineering Stockholm*
- *1980-88: Researcher (PhD student)*
- *1988-89: Researcher Engineer*
- *1989-94: Assistant Professor*
- *1994-02: Associate Professor*

Educational engagements

- *Supervision of master and PhD students*
- *Teaching in hydrology, hydraulics and fluid mechanics*

CV: Bijan Dargahi

Administrative

- *Director of postgraduate studies, KTH AOM / Department of Civil and Environmental Engineering (2000-09-01-2002-05-01)*
- *Member of examination board & Faculty opponent*

Computer skills

- *Extensive experience with various technical software and engineering tools*
 - *Dams & Hydraulic structures: Flow3D*
 - *Hydrodynamic: Fluent & GEMSS*
 - *General tools: Comsol Multi-Physics & Matlab*
 - *Ground water: GMS & SVFlux-SVSlope*
 - *River Engineering: CCHE2D , Delft3D, HEC, & RiverFlo-2D*
 - *Programming: C++, Delphi, Fortran, HtBasic, & Turbo Pascal*

International engagements

Associate Editor & reviewer

- *Journal of Hydraulic Research (since 2011)*
- *Journal of Coastal Research (since 2011)*
- *Several advanced Hydraulic Engineering journals*

Main Research Areas & projects

- *Hydraulic structures*
- *Lagrangian Coherent Structures in large water bodies*
- *Large Scale Hydrodynamic and Transport Modelling in Lakes and Sea*
- *Local sediment transport & 3-dimensional boundary layer flows*
- *River engineering (flow and sediment modelling)*
- *Turbulent boundary flows*
- *Extensive experience of consulting actives in all fields of hydraulic engineering*
- *Extensive research in hydrodynamic and transport characteristics of Baltic Sea*

Publications

- *Extensive journal and technical report publications exceeding 60 in related fields of hydraulics, surface water flow, large scale water bodies sea and rivers*
- *Book chapter on Reservoir Sedimentation, Encyclopaedia of Lakes and Reservoirs, 2012*
- *Summary list of publications:*
<https://scholar.google.se/citations?user=vdxpOIEAAAJ&hl=sy>