

CURRICULUM VITAE

Name Helmut KNOBLAUCH
Date of Birth 24.2.1961
Profession Civil Engineer
Citizenship Austria
Position Assistant Professor at Graz University of Technology,
Institute for Hydraulic Structures and Water Resources
Management
Dean for Studies, Faculty of Civil Engineering, Graz
University of Technology



QUALIFICATION

Area of Expertise: Hydraulic Engineering, Sediment Hydraulics, Hydro Power Engineering,
Hydraulic Model Tests

Work Experience in: Summer seasons 1985/1986/1987: student apprentice at the Central Water
Association Hochschwab-Sued/Austria
1988-89 Employee for Train- and Mining-Company Graz-Koeflach, Austria
From 1989 on: Employee at Graz University of Technology, Department of
Hydraulic Engineering and Water Resources Management, Graz / Austria
1999 (6 months): Sabbatical at the US Bureau of Reclamation, Water
Resources Research Laboratory, Denver, Colorado, USA
From 2007 on: Executive Director of ATCOLD - Austrian Committee on Large
Dams

Membership: IAHR - The International Association for Hydro-Environment Engineering and
Research
ATCOLD – Austrian Committee on Large Dams
Association for Ecology and Environmental Research, Austria; member of
advisory board

EDUCATION:

1967-79 Elementary School and High School at Graz/Austria
1980-88 Studies of Civil Engineering at Graz University of Technology
1994 Doctor Degree at Graz University of Technology, Doctoral Thesis
“Dissipation processes in pipe systems”

Language Skills: German, English, Spanish (basics)

Publications

69 Papers in Conference Proceedings
14 Articles in Professional Journals
2 Articles in Books
10 Research Reports

Apprenticeship

Lectures for Hydraulic (basic and advanced), Hydraulic Engineering, Sediment Hydraulics, Hydro Power Engineering, River Engineering at Graz University of Technology

38 master thesis, supervisor

Co-supervisor (as project manager) for the following dissertations:
2007: Dipl.-Ing. Dr. Hannes Badura: Co-supervisor (as project manager) for the dissertation " Feststofftransportprozesse während Spelungen von Flusstauräumen am Beispiel der Oberen Mur" ("Sediment transport processes during flushing of run-of river plants in gravel bed rivers using the example of the river Mur")

2010: Dipl.-Ing. Dr. Jolanda Jenzer; "Measures against reservoir sedimentation - Influence of rotational and upward flow on sediment behaviour in reservoirs near intakes", Review and examiner for the dissertation; École polytechnique fédérale de Lausanne EPFL

2011: Dipl.-Ing. Dr. Wolfgang Dobler: Co-supervisor for the dissertation "Hydraulic Investigations of a Y-bifurcator"

2011: Mag. Dipl.-Ing. Dr. Christine Sindelar: Co-supervisor (as project manager) for the dissertation "Design of a Meandering Ramp"

From Oct 2010 on: Chairman for the viva voces in 16 cases, acting as dean for studies/civil engineering

2012: Dipl.-Ing. Dr. Stefan Haun; Review and examiner for the dissertation "Three-dimensional numerical modelling of sediment transport during flushing of hydropower reservoirs; NTNU Norwegian University of Science and Technology

2005/06/07 two weeks course/lectures for Hydraulic Engineering (undergraduate students), Kosice Mining University, Slovakia

Working Experiences

22 Hydraulic Model Tests

2004-07 Project Partner ALPRESERV - Sustainable Sediment Management of ALPine RESERVoirs considering ecological and economical aspects

2009-11 CRUE, Flooding ERA-NET, Project Coordinator and Lead Partner SUFRI – Sustainable Strategies of Urban Flood Risk Management with non-structural Measures to cope with the Residual Risk

Expert's Reports on Hydraulic Engineering, Sediment Hydraulics, Hydro Power Engineering

Graz, 1.12.2016

Helmut Knoblauch