

CURRICULUM VITAE

Name: Univ.-Prof. Dipl.-Ing. Dr. Gerald ZENZ
Occupation: Civil Engineer
Nationality: Austrian

Current Position: **Chair of Institute**
Hydraulic Engineering and Water Resources
Management



QUALIFICATION

Design and Safety Assessment of Dams
Design of Hydraulic Structures, Flood Protection Works
Water Conduits, Pressure Tunnels and Power Caverns

Membership: President of Austrian National Committee on Large Dams (ATCOLD)
ICOLD – Vice President; Member of Austrian Dam Commission –
Ministry of Agriculture and Forestry
Member of the Board of Austrian Society of Geomechanics (OEGG)
Member of International Association for Hydraulic Research (IAHR)
ICOLD - Committee Member on Computational Aspects of Analysis
and Design of Dams & Seismic Aspects of Dam Design

Specific ICOLD / ATCOLD related Activities

ICOLD Benchmark Workshop – Salzburg 2001
Organization and Theme Formulation

2nd Expert Seminar – Dam Safety & Monitoring, Kaprun, 2005
Organization and Contribution to Dam Safety Assessment

2nd International Seminar on Long Term Behavior of Dams (China &
Austria) – Graz, Austria, 2009

8th ICOLD European Club – Dam Safety, Austria, 2010
Organization and Contribution to Technical Sessions

24th ICOLD Congress Kyoto – General Reporter – Q93 – Dam
Safety, 2012

12th ICOLD Benchmark Workshop on Numerical Methods in Dam
Analysis and Design - Graz 2013 - Organization and Theme
Formulation

3rd Expert Seminar – Dam Safety & Monitoring, Landeck, 2016
Organization and Contribution to Dam Safety Assessment

26th World Congress ICOLD Austria 2018 – 86th Annual Meeting
Organization of and Contribution to the Congress and Meeting

Research Activities

Design of High Head Pumped Storage Schemes - Concrete Gravity and Arch Dams - Layout of Power Water Ways
Hydro Power Plants – Physical Model Tests – Hydraulic Optimization
Safety Assessment of Hydraulic S
Flood Risk Management – Urban and Rural floods
Flood Protection Works – Hydraulic Retention Structures

EDUCATION:

1975 - 1979 Technical College – Villach
1980 - 1985 Civil Engineering, Dipl.-Ing. University of Innsbruck
1985 - 1988 PhD on Wave propagation caused by blasting, University of Innsbruck

Languages:

German (native)
English (excellent)

EMPLOYMENT:

1989 - 1991 Verbund, Project Engineer – Civil Design, Rock Mechanics, Dam Analyses
1992 - 1993 Project Manager - Dam - and Hydraulic Engineering
1994 - 1997 Verbundplan, Head of Dam Section
1997 - 2004 Section Head – Dams, Underground Structures and Civil Engineering
2004 - 2007 Pöyry; Business Unit Manager – Hydropower Plants, Dams and Civil Engineering
Since 2007 - **Graz – University of Technology – Hydraulic Engineering and Water Resources Management**

PUBLICATIONS

Proceedings of Symposia and Conferences – Editor
2018 **Symposium Hydro Engineering – ICOLD Austria 2018**
Book of Extended Abstracts -
2018 **Wasserbausymposium** – Graz University of Technology
Wasserwirtschaft – Innovation aus Tradition
2017 **Clemens Dorfmann and Gerald Zenz**
Proceedings of XXIVth TELEMAR-MASCARET User Conference
2014 **Zenz G., Goldgruber M.**
Proceedings of 12th ICOLD Benchmark Workshop on Numerical Methods in Dam Analysis and Design
2013 **Cerjak H., Enzinger N., Greiner R., Zenz G.**
High Strength Steels for Hydropower Plants
Design Concepts – Pressure Conduits
2012 **Wasserbausymposium** – Graz University of Technology
Water – Energy – Think globally – Act locally
2011 **Zenz G., Hornich R.**
Proceedings of the International Symposium – Urban Flood Risk Management - UFRIM
2010 **Austrian National Committee on Large Dams**
8th Icold European Club Symposium
Dam Safety – Sustainability in a Changing Environment
2009 **Bauer E., Semprich S., Zenz G.**
Proceedings of the 2nd International Conference on Long Term Behaviour of Dams