

# CURRICULUM VITAE

Prof. Dr. habil. MARIO SCHIRMER



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**Prof. Dr. habil. MARIO SCHIRMER**

Eawag - Swiss Federal Institute of Aquatic Science  
and Technology  
Department Water Resources and Drinking Water (W+T)  
Research Group Hydrogeology  
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Residence:  
Guggenbühlstrasse 15  
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Switzerland

Phone: +41 58 765 5382

**Citizenship:** Swiss, Canadian

**Date of Birth:** July 24, 1964

**Languages:** German (fluent), English (fluent), French (B2), Russian (basic)

**Education:**

|                       |   |
|-----------------------|---|
| Habilitation          | Applied Geology, University of Tübingen, Germany, 2002  |
| Ph.D.                 | Earth Sciences, University of Waterloo, Canada, 1999  |
| German Diplom (M.Sc.) | Geophysics, Technische Universität Bergakademie Freiberg<br>(Technical University Mining Academy Freiberg), Germany, 1991 |

**Research and Work Experience:**

Senior Scientist, Head of Research Group Hydrogeology since March 2008  
Eawag - Swiss Federal Institute of Aquatic Science and Technology, Department Water  
Resources and Drinking Water (W+T), Switzerland

Associate Professor since August 2008  
University of Neuchâtel, Faculty of Sciences, Centre for Hydrogeology, Switzerland

Univ.-Prof. for Hydrogeology and Modelling, December 2004 – February 2008  
Martin-Luther-University Halle-Wittenberg, Institute for Geological Sciences, Germany

Head of Department of Hydrogeology, July 2002 – February 2008  
Helmholtz Centre for Environmental Research - UFZ, Leipzig and Halle / Saale,  
Department of Hydrogeology, Germany

November 20, 2002 Habilitation at the University of Tübingen, Germany

Interim Head of Department of Hydrogeology, January 2002 – June 2002  
UFZ Centre for Environmental Research Leipzig-Halle, Halle / Saale, Department of  
Hydrogeology, Germany

Postdoctoral Research Associate, July 1999 – December 2001  
UFZ Centre for Environmental Research Leipzig-Halle, Leipzig, Dept. Industrial and  
Mining Landscapes, Germany

Scientist, December 1998 – June 1999  
University of Waterloo, Department of Earth Sciences, Canada

Ph.D. candidate, September 1993 – November 1998 (convocation June 1999)  
University of Waterloo, Department of Earth Sciences, Canada  
Thesis: Investigation of multiscale biodegradation processes: A modelling approach

Scientist, March 1991 - June 1993  
Institute for Hydraulic Engineering, University of Stuttgart, Germany

**Teaching Experience:**

Lecture at the University of Neuchâtel "Urban Hydrogeology" (since Fall Semester 2016)

Course at the ETH Zurich "Transdisciplinary Case Study - River Management of the Thur Catchment", Lectures on societal and ecological issues of river restoration as well as groundwater – surface water interactions (Spring Semester 2012)

Lecture at the ETH Zurich "Water Resources and Drinking Water", Lectures on groundwater and contaminants (since Fall Semester 2009)

Lecture at the University of Neuchâtel "Characterization of Contaminated Sites" (since Spring Semester 2009)

Lecture and Practical Training at the University of Neuchâtel "Field school - Hydrogeological Investigation Techniques" (since 2009)

Lecture at the Martin-Luther-University Halle-Wittenberg "Representative Groundwater Sampling Technologies" (2005 - 2008)

Lecture at the Martin-Luther-University Halle-Wittenberg "Hydrogeological Modelling: Part Transport Modelling" (2005 - 2008)

Lecturer at the University of Tübingen within the M.Sc. Program "Applied Environmental Geoscience", Course "Hydrogeological Investigation Techniques" (2002 - 2010).

Co-ordinator and instructor, University of Waterloo, Dept. of Earth Sciences  
Graduate Level: Field Methods in Hydrogeology  
Lectures on: Hydraulic aquifer parameter evaluation (pumping tests / slug tests)  
Groundwater monitoring and sampling equipment

**Major Conferences Organized as Conference Chair:**

Wasser und Landwirtschaft – Wechselwirkungen und Zielkonflikte / Eau et agriculture :  
Interactions et conflits d'intérêts, May 28, 2021, Online (about 200 participants).

River Corridor Restoration Conference 2011 (RCRC11): Towards a mechanistic understanding of coupled hydrological and ecological processes in near-river corridors, March 13–18, 2011, Centro Stefano Franscini, Monte Verità, Ascona, Switzerland (about 75 participants).

Groundwater Quality Conference 2010 (GQ10): Groundwater quality management in a rapidly changing world, June 13 - 18, 2010, Zurich, Switzerland (about 220 participants).

**Boards and Expert Work:**

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|------------|--|
| 2019-today | WASH Expert in the Swiss Humanitarian Aid Unit (SHA) within the Swiss Agency for Development and Cooperation (SDC) |
| 2019-today | Delegate for Wallisellen of the Group Water Supply Lattenbuck (Gruppenwasserversorgung Lattenbuck)                 |
| 2018-today | Member of the Swiss Hydrological Commission (CHy), Geosciences Platform of the Swiss Academy of Sciences (SCNAT)   |
| 2017-21    | President of the Eawag Staff Representation  |
| 2010-15    | Scientific Advisory Board German Centre for Groundwater Research, Dresden, Germany                                 |
| 2010-14    | Advisory Board Section Hydrogeology within the German Association of Geosciences                                   |

**Awards and Scholarships:**

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|---------|--|
| 2019    | Ineson Lecturer "Urban hydrogeology", prize of the British chapter of the International Association of Hydrogeologists (IAH) and the Hydrological Group of the Geological Society London |
| 2007    | Stimulus Award for Technology Transfer (UFZ) (Ceramic Toximeter Passive Sampler)   |
| 1999    | Dresden Groundwater Research Prize   |
| 1998    | University of Waterloo Graduate Scholarship  |
| 1997    | University of Waterloo Graduate Scholarship  |
| 1996-97 | University of Waterloo International Graduate Student Scholarship  |
| 1996    | Davis Memorial Scholarship in Ecology  |
| 1995-96 | Government of Canada Award   |
| 1993-95 | Scholarship of the Gottlieb-Daimler- and Carl-Benz-Foundation, Germany   |
| 1993    | Government of Baden-Württemberg Travel Award, Germany  |
| 1993    | Dresden Centre for Groundwater Research Scholarship, Germany   |

**Professional Memberships:**

Section Hydrogeology in the German Geological Society  
 National Ground Water Association  
 Swiss Society of Hydrogeology  
 International Association of Hydrogeology  
 International Commission on Water Quality (ICWQ) of the International Association of Hydrological Sciences (IAHS)

**Editorship:**

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|-------------|---|
| 2006 - 2009 | Editor of the Journal "Grundwasser"           |
| 2003 - 2005 | Associate Editor of the Journal "Grundwasser" |