



CURRICULUM VITAE

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Professional Activities

2014 – present	Program Director, “Future Resilient Systems”, Singapore-ETH-Centre, Singapore
1997 – present	Professor of Forest Engineering, ETH Zurich
2013	Visiting Professor. Australian National University, Centre for Higher Education, Learning and Teaching, Canberra.
2009	Visiting Professor, Laboratory of Forest Utilization. The University of Tokyo, Japan.
2004-2009	Fellow, Collegium Helveticum (Center for Advanced Studies at ETH Zurich), involved in exploring transdisciplinary research.
2002-2003	Visiting Scientist, Collegium Helveticum (Center for Advanced Studies at ETH Zurich), involved in exploring transdisciplinary research.
1999-2000	Visiting Professor, Department of Forest Engineering, Oregon State University, Corvallis OR, USA
1991-1997	Associated Professor of Forest Engineering , ETH Zurich.
1985-1991	Head „Forest Engineering Systems“ Section, Deputy Chief Forester, Project Manager; Bernese Forest Service, Switzerland.
1980-1985	Assistant. Section of Forest Engineering, ETH Zurich.

Service activities

CROATIAN JOURNAL OF FOREST ENGINEERING. Scientific Journal. Member of the Editorial Board (since 2008).

FOREST, SNOW AND LANDSCAPE RESEARCH - Scientific Journal (ISSN 1424-5108). Publisher Paul Haupt (Bern, Stuttgart, Wien). Member of the Editorial Board (since 1999).

IUFRO. International Union of Forest Research Organizations. Division 3 "Forest Operations" 3.00.00, Co-ordinator (since 2006).

VOLKSWAGEN STIFTUNG, HANNOVER. Projekt Lehre nach Bologna, Mitglied des Evaluationskommittees (2010)

SCANDINAVIAN JOURNAL OF FOREST RESEARCH. A Taylor & Francis Journal. Member of the editorial board, responsible for 'technology in forest operations' (2001-2009).

SILVA FENNICA. Quarterly Journal of Forest Science, Finland. Associate Editor (1999-2006).

Positions in University Bodies

2012-present	Director of Studies, MAS Natural Hazards Management
2011- 2013	Founding Chairman, ETH Risk Center
2008- 2012	Head, IDEA League Strategic Educational Committee. IDEA League is a network of leading European Universities of Science and Technology. Members (1) Imperial College, London; (2) TU Delft, (3) ETH Zurich, (4) RWTH Aachen, (5) ParisTech
2007-2010	Coordinator, "ETH Integrative Risk Management Initiative". Network of ETH professorships with Industry Partners (Re-Insurance, Finance, Risk Management Consultants)
2007-2013	Prorector for Education at ETH
2007-2013	Head, ESOP program at ETH Zurich, Excellence Scholarship and Opportunity Program
2006-2007	Founding Head, Institute of Terrestrial Ecosystems at ETH Zurich,
1998-present	Head of faculty recruitment committees (HFRC) at ETH Zurich.
1996-present	Member of faculty recruitment committees at ETH Zurich.
2001	Coordinator, evaluation committee "future of landscape planning and landscape architecture", Technical University, Munich.
2003	Head, Department of Forest Sciences, ETH Zurich
2001-2003	Deputy Head, Department of Forest Sciences, ETH Zurich.
1994-1997	Head, Department of Forest and Wood Research, ETH Zurich.
1992-1994	Deputy Head, Department of Forest and Wood Research ETH Zurich.
1992-1996	Member, Forum of Environmental Issues, ETH Zurich.
1996-1997	Head, Division of Forest Sciences, ETH Zurich

Professional Memberships

AEA	American Economic Association
ASABE	American Society of Agricultural and Biological Engineers
COFE	Council on Forest Engineering (USA)
IEEE-PSC	Professional Communication Society of the Institute of Electrical and Electronics Engineers.
INCOSE	International Council on Systems Engineering
INFORMS	Institute of Operations Research and Management Science
SAGUF	Swiss Academic Society for Environmental Research and Ecology
SATW	Swiss Academy of Engineering Sciences (Full Member since 1997)
SFV	Swiss Forest Association
SIA	Swiss Association of Professional Engineers and Architects.

Selected List of Publications

- BONT, L. and H. HEINIMANN. 2012. Optimum geometric layout of a single cable road. *European Journal of Forest Research*. doi: 10.1007/s10342-012-0612-y[<http://dx.doi.org/10.1007/s10342-012-0612-y>]
- BRESCHAN, J.R. and H.R. HEINIMANN. 2013. EcoForest—Automatic design of forest patterns attractive to wildlife in an artificial landscape. *Journal of Applied Operational Research*. 5 (4): 125-134.
- BRESCHAN, J., H.R. HEINIMANN, and R. CHURCH. 2012. A Spatially Explicit Model that Optimizes a Portfolio of Reforestation Measures plus Detention Dam to Reduce Peak Storm-Runoff in a Small Watershed. *Forest Science*: submitted.
- BRESCHAN, J., H.R. HEINIMANN, and R. CHURCH. 2012. A Spatially Explicit Model to Optimize the Selection of Torrent-Control Measures for Reducing Peak Runoff in a Small Watershed. *Natural Hazards*. 58: accepted.
- HEINIMANN, H.R. 2010. A concept in adaptive ecosystem management—An engineering perspective. *Forest Ecology and Management*. 259: 848-856.
- HEINIMANN, H.R. 2007. Forest operations engineering and management - the ways behind and ahead of a scientific discipline. *Croatian Journal of Forest Engineering*. 28 (1): 107-121.
- HEINIMANN, H.R. 2007. Präzisions-Forstwirtschaft – was ist das? [Precision Forestry – What is it?] *Schweiz.Z.Forstw.* 158 (8).
- HEINIMANN, H.R., J. HAESSIG, and R.A. WOLLENMANN. 2007. Eco-Efficiency of Pellet Production - Comparison of Log Wood and Sawmill Byproduct Systems. In *Austro2007/FORMEC. Meeting the Needs of Tomorrows Forests - New Developments in Forest Engineering*, eds. T. STEINMUELLER and K. STAMPFER, Vienna. Forest Engineering Institute, University of Applied Life Sciences BOKU, Vienna, Austria.
- STUECKELBERGER, J., H.R. HEINIMANN, and W. CHUNG. 2007. Improved road network design models with the consideration of various link patterns and road design elements. *Canadian Journal of Forest Research*. 37: 2281-2298.
- WILLI, C., C. WILHELM, and H.R. HEINIMANN. 2007. Analyse der Risikoentwicklung im Einzugsgebiet des Taschinabaches zwischen 1919 und 2005. *Wasser Energie Luft*. 99 (2): 133-136.