

Jürg Birchmeier

Curriculum Vitae

Date of birth: 22.02.1965 (Zurich)

Education

1990 ETH Zurich, MSc ETH (Dipl. Masch.-Ing.ETH)

Place Of Work 2001-2008

- ETH Zurich - Laboratory for Safety Analysis

Research Topics

- **Methods and Tools for Coping with Risk and Vulnerability of Critical Infrastructures in View of Civil Protection:** Development of new models and concepts for risk and vulnerability assessment, definition of a national strategy for the protection of critical infrastructure.

Previous Working Experience (1990-2001)

- Safety Engineer at Nuclear Power Plant Beznau
- Consultant Engineer at Colenco Power Engineering AG, Nuclear Technology Department
- Head of Quality Management at M+W Zander (Switzerland) AG

Publications

- Jürg Birchmeier, Systematic Assessment of the Degree of Criticality of Infrastructures, in: Terje Aven & Jan Erik Vinnem (Eds), Risk, Reliability and Societal Safety. Proceedings of the European Safety and Reliability Conference 2007 (ESREL 2007), Stavanger, Norway, 25-27 June 2007, pp. 859-864. ©2007 Taylor & Francis Group.
- Adrian Gheorghe, Jürg Birchmeier, Dan Vamanu, Ioannis Papazoglou and Wolfgang Kröger, Comprehensive risk assessment for rail transportation of dangerous goods: a validated platform for decision support, in Reliability Engineering & System Safety, Volume 88, Issue 3 (2005), pp 247-272
- Bouchon Sara, Adrian Gheorghe, Jürg Birchmeier – “Toward Guidelines for Regional Assessment of Vulnerability Against Service Disruption of Critical Infrastructures”, in Proceedings on Systems Analysis for a more Secure World: Application of System Analysis and REMS to Security of Complex Systems, Editor Giacomo G.M. Cojazzi, EC JRC Ispra (2005) pp 81-97
- Ralf Mock, Jürg Birchmeier, ed., Risk & Safety: Impacts on Research and Education, Zürich / Petrovaradin, MAXIMA (2005)
- Adrian V. Gheorghe, Jürg Birchmeier, Wolfgang Kröger, Dan D. Vamanu, Bogdan Vamanu, Advanced Spatial Modelling for Risk Analysis of Transportation Dangerous Goods, PSAM7 – ESREL'04 Proceedings of the 7th International Conference on Probabilistic Safety Assessment and Management, 14-18 June 2004, Berlin, Germany (Springer Verlag: London, Berlin, Heidelberg, 2004)
- Adrian V. Gheorghe, Jürg Birchmeier, Hot spot based risk assessment for transportation dangerous goods by railway: implementation within a software platform, in “Proceedings of the third international safety and reliability conference (KONBIN 2003), Gdynia, Poland, May 27-30” (2003)