

Alumni (since 2000)



Dr. Gaby Hug-Glanzmann

Curriculum Vitae

First job after PhD	Hydro One, Toronto, Canada
June 2004 - March 2008	PhD student at the Power Systems Laboratory of ETH Zurich
2001 - 2004	Participant in the scholarship program of DaimlerChrysler
October 2003 - April 2004	Master Thesis at the Automatic Control Laboratory of ETH Zurich
February - April 2002	Internship at Levitronix, Zurich
February - April 2001	Internship at Siemens AG, Zurich
1999 - 2004	Studies in Electrical Engineering at the ETH Zurich
January - October 1999	Internship at Carbagas, Gümliigen/Wiler
January 1999	Matura Typus B at the Kantonsschule Solothurn
1996 -1997	Exchange year at the Delano High School in Minnesota, USA

Publications

Journal Papers

- [Gabriela Hug-Glanzmann and Göran Andersson, N-1 Security in Optimal Power Flow Control Applied to Limited Areas, IET Gener. Transm. Distrib., 2009, Vol. 3, Iss. 2, pp. 206 - 215.](#)
- [Gabriela Hug-Glanzmann and Göran Andersson, Decentralized Optimal Power Flow Control for Overlapping Areas in Power Systems, IEEE Transactions on Power Systems, Vol. 24, No.1, February 2009, pp 327 - 336.](#)

Conference Papers

- [Gabriela Hug-Glanzmann and Göran Andersson, An Accurate and Efficient Current Injection Method for the Determination of the System State during Line Outages, Presented at the 16th Power Systems Computation Conference, Glasgow, Scotland, 2008.](#)
- [Gabriela Hug-Glanzmann and Göran Andersson, Coordinated Control of FACTS Devices in Power Systems for Security Enhancement, Presented at the IREP conference, Charleston, USA, 2007.](#)
- [Gabriela Hug-Glanzmann, Rudy Negenborn, Göran Andersson, Bart De Schutter and Hans Hellendoorn, Multi-area control of overlapping areas in power systems for FACTS control, Presented at the PowerTech Conference, Lausanne, Switzerland, 2007.](#)
- [Gabriela Hug-Glanzmann and Göran Andersson, Incorporation of N-1 Security into Optimal](#)

[Power Flow for FACTS Control, Presented at the Power Systems Conference and Exposition \(PSCE\), Atlanta, USA, October 2006.](#)

- [**Gabriela Hug-Glanzmann and Göran Andersson**, FACTS Control for Large Power Systems Incorporating Security Aspects, Presented at the X SEPOPE, Florianopolis, Brasil, 2006.](#)
- [**Gabriela Hug-Glanzmann and Göran Andersson**, Coordinated Control of FACTS Devices based on Optimal Power Flow, Presented at the North American Power Symposium \(NAPS\), Ames, USA, October 2005.](#)
- [**Gabriela Hug-Glanzmann and Göran Andersson**, Using FACTS devices to Resolve Congestions in Transmission Grids, Presented at the CIGRE/IEEE PES International Symposium, San Antonio, USA, October 2005.](#)
- [**Gabriela Hug-Glanzmann, M. von Siebenthal, T. Geyer, G. Papafotiou and M. Morari**, Supervisory Water Level Control for Cascaded River Power Plants, presented at the Hydropower Conference 05, 23 - 25 May 2005, Stavanger, Norway, 2005.](#)

PhD Thesis

- [**Gabriela Hug-Glanzmann**, Coordinated Power Flow Control to Enhance Steady-State Security in Power Systems , ETH Diss. 17586, 2008.](#)

Further Publications

- [**Gabriela Hug-Glanzmann**, FACTS - Flexible Alternating Current Transmission Systems, Technical Report, Zurich, 2004.](#)

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