

# **CURRICULUM VITAE**

**Krystyna Pietrzyk, Ph.D.**

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## **Professional Education**

- Associate Professor (Docent) in Building Technology and Environment, January 2012, School of Architecture, Chalmers University of Technology, Sweden. Lecture: Design with uncertainties: Risk/Reliability assessment of system performance under environmental load.
- Ph.D. in Building Technology/Building Physics, November 2000, School of Architecture, Chalmers University of Technology, Sweden, on the thesis entitled Probabilistic modelling of air infiltration and heat loss in low-rise buildings; supervisors: doc. Kamal Handa, prof. Carl-Eric Hagendoft, prof. Holger Rootzén, and senior lecturer Karl-Gunnar Olsson
- Lic. of Eng. in Building Construction, March 1996, Building Aerodynamics, School of Architecture, Chalmers University of Technology, Sweden, on the thesis entitled Risk Analysis of Air Infiltration in a Single Family House (based on full-scale pressure measurements); supervisor doc. Kamal Handa
- M.Sc. in Environmental Engineering, March 1978. Warsaw University of Technology, Poland on the thesis entitled An application of artificial neural network method to flow forecasting; supervisor prof. Marek Nawalany

## **Work positions**

- 2008 - PhD - Project leader, Department of Architecture, Chalmers University of Technology, Gothenburg, Sweden
- 2007-2007 Project assistant, Department of Architecture, Chalmers University of Technology, Gothenburg, Sweden
- 2005-2005 Researcher, Department of Energy Technology, Division of Building Physics, Swedish National Testing and Research Institute, Borås, Sweden
- 2002-2004 Researcher, Department of Building Physics, School of Civil Engineering, Chalmers University of Technology, Gothenburg, Sweden
- 1999-2001 Ph.D. student at School of Architecture, Chalmers University of Technology, Gothenburg, Sweden
- 1996-1999 Ph.D. student at the Building Aerodynamics, School of Architecture, Chalmers University of Technology, Gothenburg, Sweden
- 1991-1996 Research engineer at the Building Aerodynamics Research Group, School of Architecture, Chalmers University of Technology, Gothenburg, Sweden

- 1988-1990 Guest researcher and research assistant at the Building Aerodynamics Research Group, Dept. of Building Design, School of Architecture, Chalmers University of Technology, Gothenburg, Sweden
- 1981-1988 Project leader and Chef Engineer, Division of Data Processing and Mathematical Modeling in Water Management, Department of Water Management, Institute of Meteorology and Water Management, Warsaw, Poland
- 1978-1981 Research assistant, Division of Data Processing and Mathematical Modeling in Water Management, Department of Water Management, Institute of Meteorology and Water Management, Warsaw, Poland
- Maternity leaves: (12 months) 1993 - 1994, (22 months) 1997 - 1999

## **Work experience**

1. Building physics
2. Risk/Reliability-based design of buildings under serviceability and/or durability requirements (ventilation, heat loss, moisture performance, mould growth)
3. Wind as a factor in designing process (wind pressure on buildings, wind environment, wind-induced ventilation, wind modelling, extreme wind statistics)
4. Database for water management, modeling of water resources and water quality