

Curriculum studiorum

EGON BÖRGER

University Studies 1965-1971 Sorbonne (Paris, France), Université de Louvain and Institut Supérieur de Philosophie de Louvain (Belgium), Universität Münster (Germany).

- Doctoral Examen 14.7.1971, Math Dept, U Münster. Dissertation *Reduction classes in Krom and Horn formulae*.
- Habilitation 11.2.1976, ibidem. Thesis: *A simple method for determining the degree of unsolvability of decision problems for combinatorial systems*.

Research Assistant Institute of Logic and Foundations of Mathematics, U Münster (Germany) 1971-1972, 1973-74, 1975-1976.

Lecturer and Associate Professor

- CS Department, U Salerno (Italy) 1972/73-1975/76
- Professor of Logic, Post-graduate School, U Salerno 1973-1975
- Dozent of Logic, Math Dept, U Münster Aug 1976-Sept 1978

Professor for Computer Science

- CS Dept, U Dortmund (Germany) Sept 1978-Nov 1985
- Dipartimento di Informatica, U Udine (Italy) 1982/83
- Dipartimento di Informatica, U Pisa (Italy) since Nov 1985

Guest Researcher at the following institutions: IBM Scientific Center Heidelberg/D (Nov 1989-Oct 1990), Dept of Electrical Engineering and Computer Science U of Michigan at Ann Arbor/USA (March-April 1991), Fachbereich Informatik U Paderborn/D (May-July 1993 and Sept 1995), CIS U München/D (May 1994), IIG U Freiburg/D (Sept 1994), BRICS U of Aarhus/DK (Aug 1995), DIMACS Rutgers U New Jersey/USA (Oct-Nov 1995), Siemens AG Corporate Research and Development München/D (Jan-Aug 1996, Oct-Dec 1999), Software Technology Dept. of GMD FIRST Berlin/D (Sept-Oct 1996), IRIN Nantes/F (April-May 1998), Microsoft Research Redmond/USA (Jan-Sep 2000), Chair of Software Engineering

at ETH Zürich/CH (Nov-Dec 2004), SAP Research Karlsruhe/D (Jan-June 2005), Chair for Information Systems Engineering U Kiel/D (Fall 2007 and Spring/Summer 2008), CS Dept ETH Zürich/CH (Jan-June 2010), KIT Karlsruhe (Feb/March 2011), SCCH Linz (April 2011), TU Braunschweig (May/June 2011).

Offers of a chair in: CS U of Udine (Italy) declined in Summer 1983, Math. Logic U of Bonn (Germany) declined in Fall of 1985, Theoretical CS U of Stuttgart (Germany) declined in 1988, CS U of Bonn (Germany) declined in Fall 1997.

Activities and Research Interests

From 1969-1989 research in Logic and Complexity Theory. A pioneer of applying logical methods in computer science. Co-Founder of the *European Association for Computer Science Logic* and first EACSL President 1992—1997.

Since 1990 research in Software Technology, pioneering the development and the industrial applications of the Abstract State Machines Method for controllable construction and maintenance of hardware/software systems—with a focus on rigorously relating requirements capture by high-level models to detailed design and their analysis (using both mathematical verification and experimental validation).

(Co-)Author of seven books (two monographies in mathematical logic, three in computer science, two textbooks), over 150 research papers in logic (1969-1989) and computer science (since 1990) and numerous expository and foundational papers; editor of 27 books and special journal issues and organizer of over 30 international conferences, workshops, schools in logic (1969-1989) and computer science (1990-2010). Co-Founder of two series of international meetings:

CSL Computer Science Logic, the annual conference of the European Association for Computer Science Logic (EACSL), started in 1987.

ASM, the annual workshop on Abstract State Machines, started in 1994.

Co-founder and Managing Director of the *Abstract State Machines Research Center* (see www.asmcntr.org).

Humboldt Research Award 2007/08.

Festschrift Jean-Raymond Abrial and Uwe Glässer (Eds): *Rigorous Methods for Software Construction and Analysis - Papers Dedicated to Egon Börger on the Occasion of His 60th Birthday*. Springer LNCS 5115 (2009).

Member of Academia Europaea since 2010