Egon Börger: Curriculum studiorum

University Studies 1965-1971 Sorbonne (Paris, F), U Louvain and Institut Supérieur de Philosophie de Louvain (B), Universität Münster (D).

- 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 IBM Scientific Center Heidelberg/D (Nov 1989-Oct 1990), Dept of Electrical Engineering & Computer Science U of Michigan at Ann Arbor/USA (March-April 1991), Fb Informatik U Paderborn/D (May-July 1993, 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 Research & Development München/D (Jan-Aug 1996, Oct-Dec 1999), Software Technology at 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 2007/2014, Spring/Summer 2008), CS Dept ETH Zürich/CH (Jan-June 2010), KIT Karlsruhe/D (Feb/March 2011), TU Braunschweig/D (May/June 2011), SCCH Linz/AU (April 2011, March 2012-2015), U Düsseldorf/Bonn-Rhein-Sieg/Kiel (Summer Term 2014), U Ulm/D (February, September 2017), U Halle/D (Oct/Nov 2019).

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

Activities and Research Interests

1969-1989: 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: Software Technology, pioneering the development and the industrial applications of the Abstract State Machines Method for controllable construction and maintenance of hardware/software systems

(Co-)Author of eight books (two monographies in mathematical logic, four in computer science, two textbooks), over 150 research papers and numerous expository and foundational papers. Editor of 27 books and special journal issues. Organizer of over 30 international conferences, workshops, schools. Co-Founder of three 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 and merged in 2008 with the B/Z conference series to **ABZ**.

Humboldt Research Award 2007, renewed invitations to Germany 2014/2017.

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).

Festkolloquium Joint iFM & ABZ2012 Conference (Pisa) dedicated to Egon Börger on the occasion of his 65th birthday (Springer LNCS 7316/7321)

Symposium on Abstract State Machines at ABZ'2016 (Linz) on the occasion of Egon Börger's 70th birthday (Springer LNCS 9675)

Colloquium at ABZ'2021 (Ulm) on the occasion of Egon Börger's 75th birthday

Member of Academia Europaea since 2010