

CURRICULUM VITAE

DEZSŐ SIMA



Personal data:

Born: Kassa, May 27, 1941
Affiliation: Budapest Tech, John von Neumann Faculty of Informatics
Position: Dean, director of institute, professor
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Education:

1962-1965 Technische Universität Dresden, Fakultät für Schwachstromtechnik
1959-1962 Technical University Budapest, Faculty of Electrical Engineering

Degrees:

DSc (Hungarian Academy of Sciences, 2004)
Dr.-Ing (TU Budapest, 1972)
CSc (Hungarian Academy of Sciences, 1972)
Dr.-Ing (TU Dresden, 1971)
Dipl.-Ing. (TU Dresden 1965)
Dipl.-Ing. Schwachstromtechnik
Fachrichtung: Hochfrequenztechnik (1965)

Language certificates:

English-Deutsches Fachübersetzer Zeugnis, TU Dresden, 1968,
Fluent in English and German

Professional affiliations:

2000- Budapest Tech, John von Neumann Faculty of Informatics, dean (2000-2006)
1979-1999 Kálmán Kandó Polytechnic, Institute of Mathematics and Computer
Engineering, director
1972-1979 Kálmán Kandó Polytechnic, Department of Computer Engineering, chair
1966-1972 Technische Universität Dresden, Section Informationstechnik, research fellow,
lecturer

Guest professorships:

1992/1993 South Bank University London (one semester)
1985/1986 Technische Universität Dresden (one semester, Barkhausen Professorship)

PhD supervisorships:

3 PhD students (Technische Universität Dresden and Hungarian Academy of Sciences)

Selected R&D and educational projects (mostly as project leader):

2005	Development of an Intelligent Knowledge Assessment System (contracted by IBM Hungary)
1997-2000	Quality Assurance System and Credit Transfer System, TEMPUS-S-JEP-12435-97
1997-2000	Distributed and Network Computing in the Information Society, TEMPUS S-JEP-12495-97
1994-1997	Introducing Parallel Processing into the Curriculum of the Hungarian Higher Educational Institutions of Technology, TEMPUS S-JEP-08333-94
1992-1993	cCLEAN – recognition of text in paper based technical drawings (in cooperation with the Institut für Grundlagen der Informationsverarbeitung und Computer gestützte neue Medien der Technischen Universität Graz)
1991-1994	PROMISE: Promotion of Mobility and Informatics Studies in Europe, TEMPUS JEP-2309-91 (180.900 ECU, as project contractor)
1990-1991	PROFESSOR / automatic recognition of electronic diagrams
1988-1990	Development of the TEACHSOFT CAE mathematical program package Version 2.
1981-1983	Development of the TEACHSOFT CAE mathematical program package Version 1.

Participation in professional organizations and societies:

2008-	President of the Committee of Technical Disciplines of Hungarian Scholarship Board
2000-2003	Hungarian Accreditation Board (MAB), vice president
1997-2003	Hungarian Accreditation Board (MAB), member
1995-	IEE Fellow
1994-2000	John von Neumann Society of Computing (NJSZT), President
1991-	IEEE member
1985-	John von Neumann Society of Computing (NJSZT), member of Presidium
1972-	John von Neumann Society of Computing (NJSZT), member

Participation in international accreditation

2006	Accreditation of informatics programs at Tallin Technical University (Estonia)
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Participation in the Hungarian Bologna Process:

2003	Co-chair of the Bologna Committee of Informatics
2003	Co-chair of the Bologna Committee of Hungarian Higher Educational Institutions
2002	Member of the Hungarian Bologna Committee
2002	Chair of the Bologna Committee of Hungarian Colleges and Polytechnics

Participation in Conference Programme Committees:

- 2007 First Regional Conference on Embedded and Ambient Systems (RCEAS 2007), 2007, Sárospatak (International Programme Committee member)
- 2007 XI. EuroLogo Konferencia 2007, Pozsony (Honorary Chair)
- 2007 Alkalmazott Informatika Konferencia 2007, Kaposvár (Programme Committee member)
- 2006 IX. Országos Neumann Kongresszus 2006, Győr (Programme Committee member)
- 2005 Informatika a Felsőoktatásban Konferencia 2005, Debrecen (Programme Committee member)
- 2003 Informatika a Felsőoktatásban Konferencia 2003, Debrecen (Programme Committee member)
- 1998 DAPSYS'98 (Programme Committee member)
- 1997-1998 15th World Computer Conference IFIP'98 (Programme Committee member, Advisory Board president)
- 1996 2. Informatika a Felsőoktatásban Konferencia, Debrecen (Programme Committee member)
- 1993 Informatika a Felsőoktatásban Konferencia, Debrecen (Programme Committee member)
- 1993 The Challenge of Networking, 8. Joint Hungarian-Austrian Informatics Conference, Szombathely (Programme Committee president)

Membership in Editorial Boards:

- 2002- Gikof Journal
- 1993-1999 Infopen
- 1993- J. UCS (Journal of Universal Computer Science, Springer)

Awards:

- 2006 Order of Merit of the Hungarian Republic - Knight Cross
- 2006 John von Neumann Award
- 2003 Apáczai Csere János Prize
- 1999-2001 Széchenyi professorship
- 1993 John von Neumann medal
- 1990 Kandó Memorial ring
- 1989 Tarján Rezső Prize

Selected publications:

Books:

- Sima D., Fountain T., Kacsuk P.: "Advanced Computer Architectures, A Design Space Approach," *Addison-Wesley Publishing Co*, Harlow etc. 1998, 766 pages.
- Sima D., Fountain T. és Kacsuk P. (in Hungarian, translation of [1]): "Korszerű számítógép architektúrák - Tervezési tér megközelítésben," *SZAK Kiadó*, Budapest, 1998, 809 pages.

Sima D., and Haring G.: (eds.): "The Challenge of Networking: Connecting Equipment, Humans, Institutions," München 1993, R. Oldenbourg Kiadó, 265 pages.

Book chapters:

Register Renaming Techniques, in Computer Engineering Handbook, *CRC Press LLC*, 2001, pp. 6.6-6.30.

Journal papers:

Sima D.: „Decisive Aspects in the Evolution of Microprocessors”, *Proc. IEEE*, Vol. 92, No. 12, 2004, pp. 1895-1926.

Sima D.: “The Design Space of Register renaming Techniques,” *IEEE Micro*, Vol. 45, No. 11, Sep/Oct 2000. pp. 70-83.

Sima D.: “The Design Space of Shelving, *Journal of Systems Architecture*,” Vol. 45, No. 11. pp. 863-885.

Sima D.: “Superscalar Instruction Issue,” *IEEE Micro*, Vol. 17, No. 5, Sept/Oct., 1997. pp. 28-39.

Proceedings:

D. Sima, B. Schmuck, S. Szöllösi, Á. Miklós: “Intelligent Short Text Assessment in eMax,” *IEEE Africon 2007*, Windhoek Namibia, ISBN: 0-7803-8606-x.

L. Csink, A. György, Zs. Raincsák, B. Schmuck, D. Sima, Zs. Sziklai and S. Szöllösi: „Intelligent Assessment Systems for e-Learning,” *Proc. 4th European Conference on E-Activities*, 2003, Bucharest, 2003, pp. 224-229.

Miklós Á. and Sima D.: „VSIM – A Superscalar CPU Simulator,” *Proc. 3rd International Conference on Information Technology Based Higher Education and Training (ITHET 2002)*, Budapest, 2002, pp. 561-572.

Sima D.: “Some Aspects of the Functional Evolution of ILP-processors,” *Proc. International Conference on Information Infrastructure, ICII '96: Beijing*, 1996, pp. 130-133.

Lecture Notes:

Sima D. és Kacsuk P.: “Parallel Architectures,” (*Tempus lecture notes*) 1997, 455 pages.

Sima D., Polacsek L., Koschek V.: “Computer Architecturs I,” *European Informatics Student's Series*, Kandó Műszaki Főiskola, Budapest, South Bank University London, Hochschule Bremen and Technological and Education Institute Patras, (Tempus lecture notes) Budapest, 1993, 273 pages.

Last updated: 05. 2008.