

POSITIONS: Professor emeritus at the Budapest University of Technology and Economics from 2009

Director of the McLeod Institute of Simulation Sciences

Director of the McLeod Institute of Simulation Sciences Hungarian Center

University professor at the Budapest University of Technology and Economics (1999-2007)

University professor at the Széchenyi István College/University (2000-2007), director of the Faculty of Informatics and Electrical Engineering (2000-2002), director of the Field of Study for Computer Science in Economy (2001-2007)

Head of the Department of Simulation Methodology and Applications of the KFKI Research Institute for Measurement and Computing Techniques until 1998

EDUCATION (DEGREES):

M.Sc. in electrical engineering Technical University of Budapest	1960
Ph.D. in computer science	1980
Dr. rer. nat. Technical University of Budapest	1981
Titular associate professor Technical University of Budapest	1985
D.Sc. (Doctor of technical sciences) Hungarian Academy of Sciences	1995
Dr.habil. Technical University of Budapest	1998
University professor Budapest University of Technology and Economics	1999
Széchenyi István University	2000

LANGUAGES: english (fluent)
 german (fluent)
 russian (moderate)

MAJOR RESEARCH INTERESTS:

Discrete simulation methodologies and their application for problem solving in various fields. Architecture and application of knowledge base and AI attributed agent controlled dynamic simulation.

PROFESSIONAL INTERESTS: (in backward order)

- 1986- Discrete simulation methodologies, knowledge base and AI attributed agent controlled dynamic simulation methods and simulation system structures. Knowledge Attributed Petri Nets. Simulation of highly complex systems in the fields of micro- and macroeconomy, environmental problems, development of regions, traffic, flexible manufacturing systems, logistics, etc.
- 1970-1986 Discrete simulation methodologies, simulation of digital logic circuits and information traffic systems
- 1977-1982 CAD of LSI and VLSI circuits
(in parallel with the above)
- 1965-1970 Data Transmission Systems
(error protecting codes)
- 1960-1965 Development of nuclear electronic measuring instruments and systems

LEADERSHIP OF MAIN PROJECTS:

Research and development of object oriented intelligent adaptive simulation methods and tools (1991-1993) OTKA (Hungarian Scientific Research Fund)

Analysis and synthesis of complex systems by AI controlled simulation (1994-1996) OTKA (Hungarian Scientific Research Fund)

Investigation of discrete simulation methodologies (1997-1999) OTKA (Hungarian Scientific Research Fund)

Investigation of Intelligent – Mobile and Static – Agent Controlled Simulation Methodologies for Multidisciplinary Problem Solving (2002-2004) OTKA (Hungarian Scientific Research Fund)

Development of a universal object oriented AI controlled simulation kernel (1990)
OMFB (National Committee for Technical Development)

R&D Cooperation with the Department of Information and Simulation Techniques of the
Scientific Academy for Lower Austria "General Purpose Discrete Simulator for PC's"
(1990-1992)

Qualitätssicherung bei Montageprozessen von Produkten mit hohem Sicherheitsanspruch
(QUACAR) (1994-1995) EUREKA-FAMOS-Projekt

Parallel Petri-Net Simulation for Traffic Control in Conurbations (PATRIC) (1995-1997)
COPERNICUS

Open Framework for Simulation of Transport Strategies and Assessment (OSSA) (2000-
2003) EU project

US-Europe e-Learning NETWORK in Science and Engineering: An International
Experiment in Modelling and Simulation Education (USE-eNET) (2004-2006) EU/US
Transatlantic Cooperation Programme in Higher Education and Vocational Education
and Training

Technologies for Road Advanced Cooperative Knowledge Sharing Sensors (TRACKSS)
(2006-2008) EU project

Network Development Strategies Planned By AI Controlled Simulation (2010-2011)
Telecommunication Company

POSITIONS IN PROFESSIONAL ORGANIZATIONS:

from 2006 Director of the McLeod Institute of Simulation Sciences

2000-2006 Co-vice director of the McLeod Institute of Simulation Sciences

from 1995 Director of the McLeod Institute of Simulation Sciences Hungarian Center

from 1982 Chairman of IMACS (International Association for Mathematics and
Computers in Simulation)/HUNGARY

from 1996 Chairman of the Hungarian Simulation Society

from 1996 Member of the Board of Directors of EUROSIM

1998-2000 Secretary of EUROSIM

from 2008 Member of the Committee for Informatics of the Hungarian Academy of

Sciences

- 2008-2011 Member of the Committee for Automation and Computing Techniques of the Hungarian Academy of Sciences
- 2001-2003 Member of the Hungarian Accreditation Committee's Subcommittee for Informatics
- 1985-1990 Chairman of the Simulation Group of the Division for Semiconductors and Integrated Circuits within the Scientific Society for Telecommunication
- 1980-1985 Member of the Committee for Microelectronic Technology of the Hungarian Academy of Sciences
- 1985-1990 Member of the Committee for Electronic Devices and Technologies of the Hungarian Academy of Sciences
- 1981-1985 Member of the Board of Directors of the Division Computers and Control Systems of the Scientific Society for Measurement and Automation

MEMBERSHIP IN EDITORIAL BOARDS OF INTERNATIONAL JOURNALS:

- from 1983 International Journal of Modelling and Simulation
- 1984-2003 Systems Analysis Modelling Simulation
- 1991-1996 Yugoslav Journal of Operations Research
- from 1993 Journal of Computing and Information Technology
- from 1996 Simulation News Europe
- 1998-2003 Simulation Practice and Theory
- from 2009 SCS M&S Newsletter
- from 2009 International Journal of Modeling, Simulation and Scientific Computing
- from 2011 International Journal of Agent Technologies and Systems

ACADEMIC ACTIVITIES:

- 1972-1974 Eötvös Lóránd University
associate professor (in part time job)

1972-1998	Technical University of Budapest lecturer of graduate and postgraduate courses (in part time job)
from 1983	Member of the State Examining Board at the Technical University of Budapest
1985	nominated as titular associate professor at the Technical University of Budapest
1981, 1982 1985	Aachen Technical University visiting professor
1992-2000	Széchenyi István College scientific adviser and lecturer
1999-2007	University professor Budapest University of Technology and Economics
2000-2007	University professor Széchenyi István College/University
from 2009	Professor emeritus Budapest University of Technology and Economics

Invited lecturer at universities and research institutes on simulation at

Delft University of Technology	(The Netherlands, 1978,1989)
Tokyo University	(Japan, 1982)
Johannes Kepler University of Linz	(Austria, 1986)
Xian Jiaotong University	(China, 1987)
Shanghai University of Technology	(China, 1987)
Chinese System Simulation Council	(China, 1987)
Shenyang Research Institute for Automation of the Academia Sinica	(China, 1987)
Tsinghua University	(China, 1992)
Electrical Power Research Institute	(USA, Palo Alto,CA, 1996)
Vienna University of Technology	(Austria, 1997, 2005)

AWARDS:

Research Prize (for the development of a simulation system)	Hungarian Academy of Sciences	1973
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Gold medal "Outstanding Inventor"	Hungarian Academy of Sciences	1978
Jánossy Prize (for the development of a CAD system for microelectronics)	Central Research Institute for Physics	1980
Csáki Frigyes Prize	Scientific Society for Measurement and Automation	1995
Gold Cross of Merit of the Hungarian Republic	Hungarian Republic	2006

LIST OF PUBLICATIONS

Books

Author:

- 1./ Ambrózy A., Jávor A.: Mérésadatok kiértékelése
(Evaluation of Measured Data)
Műszaki Könyvkiadó, Budapest, 1976.
- 2./ Benkő T.né, Jávor A.: Bevezetés a számítástechnika alkalmazásába
/különböző területek szakemberei részére/
(An Introduction to the Application of Computing Techniques
/For Specialists of Different Fields/)
(Textbook for postgraduate courses)
Budapesti Műszaki Egyetem Továbbképző Intézete, Budapest, 1978.
- 3./ Jávor A., Benkő T.né: Diszkrét rendszerek szimulációja
(Simulation of Discrete Systems)
Műszaki Könyvkiadó, Budapest, 1979.
- 4./ Dr. Jávor A., Benkő T.né: Számítástechnika alkalmazóknak
/Személyi számítógépek programozása BASIC, valamint IBM PC
AT/XT FORTRAN'77 nyelven/
(Computing Techniques for Users
/Programming of Personal Computers in BASIC and IBM PC AT/XT
in FORTRAN 77/)
(Textbook for postgraduate courses)
Budapesti Műszaki Egyetem Továbbképző Intézete, Budapest, 1989.
- 5./ Jávor, A., Rang, T., Székely, V., Tarnay, K., Velmre, E.: Modeling in
Semiconductor Electronics
Akadémiai Kiadó, Budapest, 1993.
- 6./ Dr. Benyó Z., Dr. Jávor A.: Folyamatszimuláció
(Process Simulation)
Textbook for postgraduate students in medical biology engineering
Budapesti Műszaki Egyetem, Budapest, 1995.
- 7./ Dr. Jávor A.: Diszkrét szimuláció
(Discrete Simulation)
SZIF-Universitas Kft., Győr, 2000.

Editor:

- 8./ Jávor, A. (ed.): Discrete Simulation and Related Fields
IMACS European Simulation Meeting, 1980 September 11-12. Keszthely,
Hungary, Preprints
- 9./ Jávor, A. (ed.): Discrete Simulation and Related Fields

- North-Holland, Amsterdam, 1982.
- 10./ Jávör, A. (ed.): Simulation in Research and Development
IMACS European Simulation Meeting, 1984 August 27-30. Eger, Hungary,
Preprints
- 11./ Jávör, A. (ed.): Simulation in Research and Development
North-Holland, Amsterdam, 1985.
- 12./ Emeljanov, S.V., Kalashnikov, V.V., Frank, M., Jávör, A. (eds.):
Technology of Systems Simulation
(in Russian)
Mashinostroenie, Moscow - VEB Verlag Technik, Berlin, 1988.
- 13./ Jávör, A. (ed.): Problem Solving by Simulation
IMACS European Simulation Meeting, 1990 August 28-30. Esztergom,
Hungary
- 14./ Jávör, A. (ed.): Simulation Tools and Applications
IMACS European Simulation Meeting, 1995 August 28-30. Győr, Hungary
- 15./ Jávör, A., Lehmann, A., Molnár, I. (eds.): Modelling and Simulation
ESM96, 1996 June 2-6. Budapest, Hungary
- 16./ Jávör, A. (ed.): Studies in Simulation undertaken at the McLeod Institute of
Simulation Sciences Hungarian Center
Alma Mater, BME Department of Information and Knowledge Management,
Budapest, 2006.

Refereed Publications in Journals, Proceedings or Books and Reports

- 17./ Jávör A.: A White-féle katódkövető vizsgálata
(Investigation of the White Cathode-Follower)
KFKI Közlemények 11(3) (1963) 227-237.
Mérés és Automatika XII(6) (1964) 184-188.
- 18./ Jávör A.: Dinamikus munkaellenállású emitterkövető vizsgálata
(Investigation of the Dynamic Load Resistance Emitter Follower)
KFKI Közlemények 12(3) (1964) 211-226.
Mérés és Automatika XII(10) (1964) 315-320.
- 19./ Csákány A., Jávör A., Vajda F.: Nukleáris detektor paraméterek
gyártásellenőrzésének autoimatizálása
(Automation of the Production Control of Nuclear Detector Parameters)

- Mérés és Automatika XIV(6) (1966) 112-113.
- 20./ Csákány, A., Jávor, A., Vajda, F.: An Automated Apparatus for Measuring the Basic Parameters of Nuclear Detectors
Conference on "Nuclear Electronics" Bombay, India, 22-26 Nov. 1965.
International Atomic Energy Agency Vienna, 1966. 89-98.
- 21./ Jávor A., Rázga T., Végh E.: Adatátviteli rendszerek információforgalmi problémáiról
(On the Problems of Information Traffic of Data Transmission Systems)
Mérés és Automatika XV(7-8) (1967) 265-268.
- 22./ Jávor A., Végh E.: Az adatátvitel rendszertechnikai kérdései az ipari folyamatok számítógépes vezérlése szempontjából
(Systemtechnical Problems of Data Transmission from the Point of View of Computer Control of Industrial Processes)
V. Országos Automatizálási Konferencia, 1968. április 16-20. Budapest, II. 2.1. (6)
- 23./ Jávor A., Rázga T.: Hibavédelmi kódok tulajdonságainak szimulálása ICT 1905 számológépen a hazai telefonhálózat adottságainak figyelembevételével
(The Simulation of Error Protection Codes on ICT 1905 Computer Considering the Properties of the National Telephone Network)
Számítógéptechnika '68 Konferencia, Esztergom, September 23-26, 1968. 307-308.
- 24./ Csákány A., Jávor A., Rázga T., Végh E.: Digitális adatátviteli berendezés rendszertechnikai problémái
(Systemtechnical Problems of a Digital Data Transmission System)
Információ Elektronika III(2) (1968) 94-99.
- 25./ Jávor A.: Kiértékelési eljárás integrális nonlinearitásnak diszkrét mérési adatokból való meghatározására
(Evaluation Method of Integral Nonlinearity from Discrete Measured Data)
KFKI Közlemények XVI(4) (1968) 251-257.
- 26./ Jávor, A.: Auswertungsmethode für die Bestimmung der integralen Nichtlinearität bei diskreten Messwerten
Messen Steuern Regeln 12. Jahrgang Heft 7. 266-267. Juli 1969.
- 27./ Csákány A., Hamza E., Jávor A.: Adatátviteli hálózatok telepítésének és alkalmazásának néhány kérdése
(Some Questions of the Installation and Application of Data Transmission Networks)
Mérés és Automatika XVII(7-8) (1969) 260-263.

- 28./ Jávor, A., Csákány, A.: Some Achievements in the Investigation of Data Transmission Networks Using a Flexible Simulation System
XVIII. Rassegna Internazionale Elettronica e Nucleare Congresso Scientifico Internazionale per l'Elettronica, Roma, Italy, Marzo 29-31, 1971. D-5, 331-337.
- 29./ Jávor A., Rázga T., Végh E.:A KFKI time-sharing mintahálózatának ismertetése
(The Presentation of the Time Sharing Experimental Network of the Central Research Institute for Physics)
Számítógéptechnika '71 Konferencia, Esztergom, September 27–October 1, 1971, 399-409.
- 30./ Csákány A., Jávor A.: Adatátviteli hálózatok szimulációjának egyes kérdései
(Some Questions of the Simulation of Data Transmission Networks)
Számítógéptechnika '71 Konferencia, Esztergom, September 27–October 1, 1971, 361-372.
- 31./ Jávor A., Végh E.: Távadatfeldolgozó rendszerek software kérdései
(Software Problems of Remote Data Processing Systems)
Számítógéptechnika '71 Konferencia, Esztergom, September 27–October 1, 1971, 410-420.
- 32./ Csákány, A., Jávor, A.: Investigation of Throughput Efficiency of Multilevel Data Networks by Means of Simulation
XIX. Rassegna Internazionale Elettronica Nucleare ed Aerospaziale, Roma, Italy, Marzo 27-30, 1972. B-12, 253-258.
- 33./ Benkő T.né, Jávor A.: Kiszámítógépek time-sharing alkalmazásának modellezése vállalati adatfeldolgozási és folyamatszabályozási feladatokra
(Modelling of the Application of Minicomputers in Time Sharing for Data Processing and Process Control)
COMPCONTROL '72, Sopron, 1972. június 19-24. 145-148.
- 34./ Jávor A., Görög P.: A CANDYS I Szimulációs programrendszer
(The CANDYS I Simulation System)
Programozási rendszerek '72 Szeged 1972 augusztus 28-31. 274-278.
- 35./ Benkő, M.Mrs., Csákány, A., Jávor, A.: Investigation of Memory Utilization of a Small Computer in Time Sharing Regime by Means of Simulation
Computer Science Conference, Székesfehérvár, 21-26. May 1973.
- 36./ Benkő T.né, Csákány A., Jávor A.: Számítógép rendszereket szimuláló programcsomag és alkalmazása különböző területeken
(Programme Package Simulating Computer Systems and its Application in Various Fields)
Információ Elektronika VIII(3) (1973) 231-234.

- 37./ Jávor, A., Benkő, M.Mrs.: On the Problems of Timing and Hazards in the Simulation of Digital Networks
1974 European Conference on Circuit Theory and Design 23-26 July, London Conf. Publ. No. 116. 257-262.
- 38./ Ambrózy Gy., Csákány A., Jávor A.: Elektronikus laboratórium biológusok számára (Electronic Laboratory for Biologists)
Fizikai Szemle 26(10) (1974) 309-313.
- 39./ Jávor, A.: An Approach to the Modelling of Uncertainties in the Simulation of Quasideterministic Discrete Event Systems
Problems of Control and Information Theory 4(3) (1975) 219-229.
- 40./ Jávor A.: Diszkrét rendszerek szimulációjának néhány elméleti kérdése (Some Theoretical Problems in the Simulation of Discrete Systems)
Számítógépes rendszerszimuláció Szimpózium, Budapest, 1975. június 9-10. 155-165.
- 41./ Benkő T.né, Jávor A.: A LOBSTER, digitális hálózatokat szimuláló programrendszer (The LOBSTER Programming System for the Simulation of Digital Networks)
Információ Elektronika XI(2) (1976) 111-116.
- 42./ Jávor, A., Benkő, M.Mrs.: A User-Oriented System for the Simulation of Digital Logic
CAD Seminar, Budapest, 3-5. November 1976. 178-191.
- 43./ Benkő, M.Mrs., Jávor, A., Keresztes, P.: LSI System Simulation: an Interdisciplinary Approach
Zbornik Radova JUREMA 1977 (April 19-22) G1
- 44./ Jávor A.: Számítás - technika? - tudomány? (Computer - Technique? - Science?)
Természet Világa 108(4) (1977) 185-188.
- 45./ Jávor, A.: An Adaptive Time Advancement Algorithm for Discrete Simulation
Information Processing Letters 6(3) (1977) 83-86.
- 46./ Jávor, A.: A Representation of Fuzzyness in Discrete Simulation
Problems of Control and Information Theory 7(2) (1978) 111-114.
- 47./ Jávor, A., Keresztes, P., Benkő, M.: A Solution for MOS-LSI Gate Level Simulation
Simulation of Systems IMACS Congress 1979 Sorrento, 24-28. September 1979. North-Holland, Amsterdam, 365-374.

- 48./ Bak, M., Jávor, A., Székely, V., Masszi, F.: A System for the Automatic Design of Microelectronics (in Russian)
Mikroelektronika '80 Torun, 14-16. May 1980. 55.
- 49./ Jávor, A.: Proposals on the Structure of Simulation Systems
Discrete Simulation and Related Fields, IMACS European Simulation Meeting, 11-12. September 1980. Keszthely, Hungary, Preprints 17-26.; North-Holland, Amsterdam, 1982. 9-18.
- 50./ Jávor, A., Révész, Á., Tóbiás, P.: A Closed-Loop Feedback Controlled Simulation System
Discrete Simulation and Related Fields, IMACS European Simulation Meeting, 11-12. September 1980. Keszthely, Hungary, Preprints 81-92.; North-Holland, Amsterdam, 1982. 87-96.
- 51./ Jávor, A., Révész, Á., Tóbiás, P.: Simulation System with a Single Core and Several Outer Layers
Discrete Simulation and Related Fields, IMACS European Simulation Meeting, 11-12. September 1980. Keszthely, Hungary, Preprints 93-109.; North-Holland, Amsterdam, 1982. 65-86.
- 52./ Jávor, A.: Simulation of Digital Electronic/Microelectronic Systems
Simulation of Large Systems, Proceedings of the Third "5-Tage-Kurs" of the USP Mathematisierung at Bielefeld University, 3-8. October 1980. 45-52.
- 53./ Jávor, A., Tóbiás, P.: Ein Adaptives Simulationsverfahren
9. Jahrestagung "Grundlagen der Modellierung und Simulation" 10-12. Dezember 1980. Rostock, 49/1-49/4.
- 54./ Benkő T.né, Jávor A., Hegedűs A., Székely V.: A MICAD mikroelektronikai tervezőrendszer
(The MICAD System for Design in Microelectronics)
Eötvös Lóránd Fizikai Társulat, Vándorgyűlés, Székesfehérvár 1981. augusztus 25-26. 12.
- 55./ Benkő T.né, Hegedűs A., Dr. Jávor A., Dr. Székely V.: A MICAD mikroelektronikai tervezőrendszer
(The MICAD System for Design in Microelectronics)
Alkatrész Szeminárium, Siófok, 1981. október 26-28. 30.
- 56./ Dr. Jávor A.: A MICAD mikroelektronikai számítógépes tervezőrendszer kialakításának főbb szempontjai
(The Main Aspects of the Development of the MICAD System for Design in Microelectronics)
Mérés és Automatika, XXIX(12) (1981) 449-450.

- 57./ Jávor, A.: Some Proposals on the Architecture of Simulation Systems
(in Russian)
Theory of Complex Systems and Methods for their Simulation, Proc. of
the Seminar, Moscow 1982. 82-86.
- 58./ Benkő, M., Dr. Hegedűs, A., Dr. Jávor, A., Téby, A.: Logic and Lay-out
Design in the MICAD System
Microelectronics '82 Proc. of the 3rd Microelectronics Conference of the
Socialist Countries, 5-7. May 1982. Siófok, Hungary, 169-170.
- 59./ Jávor, A.: Some Thoughts on Discrete Simulation
Proc. of the 10th IMACS World Congress on Systems Simulation and
Scientific Computation, 8-13. August 1982. Montreal, Canada, Vol. 2. 165.
- 60./ Jávor, A.: Dual Nature of Events in Discrete Simulation
Proc. of the 10th IMACS World Congress on System Simulation and
Scientific Computation, 8-13. August 1982. Montreal, Canada, Vol. 2. 177-179.
Mathematics and Computers in Simulation XXV(1983) 66-69,
North-Holland, Amsterdam
- 61./ Hegedűs A., Dr. Jávor A., Kampis Gy.: Berendezésorientált integrált
áramkörök tervezésének software eszközei a MICAD rendszerben
(Software Tools for the Custom Design of Integrated Circuits in the
MICAD System)
Alkatrész Szeminárium, Kecskemét, 1982. október 18-20. 30.
- 62./ Jávor A.: A "MICAD" tervezőrendszer
(The MICAD System)
Berendezésorientált Integrált Áramkörök Alkalmazása Szeminárium, Pécs,
1982. november 10-12. 111-135.
- 63./ Jávor, A.: On the Fine Structure of Events in Discrete Simulation
Simulation of Systems'83, Prague, Czechoslovakia, 4-7 July 1983. No.110.
- 64./ Jávor A.: Mikroelektronikai áramkörök tervezésének számítógépes
tervezőrendszere
(CAD System for the Design of Microelectronic Circuits)
Korszerű Technológiák XI(4) (1983) 1-8.
- 65./ Jávor, A.: Modeling of Conflict Situations in Discrete Systems
First European Simulation Congress ESC83 Aachen, Sept. 1983.
Proceedings Springer-Verlag 118-122.
- 66./ Jávor, A., Benkő, M., Tarnay, K.: Multimode Simulation Concepts
Simulation in Research and Development, IMACS European Simulation
Meeting, 27-30. August 1984. Eger, Hungary, 97-104.;

- North-Holland, Amsterdam 1985. 132-138.
- 67./ Jávör, A., Szabó, B.K.: Switch-Level Extension of a Logic Simulator Simulation in Research and Development, IMACS European Simulation Meeting, 27-20. August 1984. Eger, Hungary, 105-116.; North-Holland, Amsterdam, 1985. 139-149.
- 68./ Szittyá O., Jávör A.: Logikai rendszerek, a (Tarnay K. szerk.): Mikroelektronikai berendezés-orientált áramkörök tervezése c. könyvben /Mikroelektronikai Mérnöktovábbképző Szakkönyv/ (Logic Systems, in Tarnay, K. (ed.): The Design of Microelectronic Custom Designed Circuits) /Postgraduate Textbook of Microelectronics for Engineers/ EDUSYSTEM Oktatásfejlesztési Pjt. 1984.
- 69./ Jávör, A.: Ereignis-Behandlung mit dem Delft Algoritmus Simulationstechnik 2. Symposium Simulationstechnik, Wien, September 1984. Springer Verlag 349-353.
- 70./ Jávör, A.: An Inductive-Deductive Approach to Simulation Methodology in Emelyanov, S.V., Kalashnikov, V.V. (eds.): Theoretical and Practical Questions of Simulation (in Russian) Moscow 1984. 15-25.
- 71./ Jávör, A.: Handling Indeterminacies in Discrete Simulation for Performance Analysis in S.G. Tzafestas (ed.): Digital Techniques in Simulation, Communication and Control, Elsevier Science Publishers B.V. 1985. 73-78.
- 72./ Jávör, A.: Discrete Answers to the Challenge of Model Complexity Proc. of the 11th IMACS World Congress on System Simulation and Scientific Computation, 5-9. August 1985. Oslo, Norway, Vol. 1. 281-283.
- 73./ Jávör, A.: Entity-Type Discrete Switch Level Modelling of Microelectronic Circuits Proc. of the 11th IMACS World Congress on System Simulation and Scientific Computation, 5-9. August 1985. Oslo, Norway, Vol. 1. 285-288. in B. Wahlström and K. Leiviska (eds.): Modelling and Simulation in Engineering, Elsevier Science Publ. B.V. (North-Holland), 1986. 365-370.
- 74./ Jávör, A.: Discrete Simulation: Towards the End of the Beginning Systems Analysis, Modelling, Simulation 3(1986)1. 37-45.
- 75./ Jávör, A.: Proposal for Partially Solving the Problem of the "ERR" Devil's Triangle by Simulation – Invited paper 8th International Symposium Computer at the University, Cavtat, Yugoslavia, May 12-15, 1986. 0.02 1-13.

- 76./ Jávor, A.: LOBSTER-M: A Mixed Mode Simulator for CAD
in Trappl, R. (ed.): Cybernetics and Systems'86, 1986. D. Reidel
Publishing Company, 669-676.
- 77./ Jávor, A.: Proposals for the Architecture of Expert Simulation Systems
Proc. of the 2nd European Simulation Congress, September 9-12, 1986.
Antwerpen, Belgium, 384-390.
- 78./ Jávor, A., Benkő, M.: Automatic Knowledge Based Decision Feedback
Control of Simulation Experiments
IFAC/IMACS International Symposium on Simulation of Control Systems,
September 22-26, 1986 Vienna, Austria, 449-454.
- 79./ Jávor, A.: Applications of Expert Systems Concepts to Adaptive
Experimentation with Models
Chapter III.3. in M.S. Elzas, T.I. Ören, B.P. Zeigler (eds.): Modelling and
Simulation Methodology in the Artificial Intelligence Era, Elsevier, 1986.
153-163.
- 80./ Jávor, A.: Discrete Event Simulation
European Congress on Simulation, Prague, September 21-25, 1987. Vol. C. 71-75.
- 81./ Jávor, A.: Opinion, in Kerckhoffs, E.J.H., Breitenecker, F. (eds.), Future
Simulation of (Complex) Systems: Reflection of a panel discussion
Systems Analysis, Modelling, Simulation 4(1987)4. 348-349.
- 82./ Jávor, A.: Declarative Programming in AI and Simulation
Proc. of the 12th IMACS World Congress on Scientific Computation, July
18-22 1988, Paris, France, Vol. 2. 749-751.
- 83./ Jávor, A., Römer, M., Benkő, M.: Knowledge Base Controlled Simulation
for Testing Digital Logic Circuits
Proc. of the 12th IMACS World Congress on Scientific Computation, July
18-22 1988, Paris, France, Vol.2. 602-604.
- 84./ Jávor, A.: Knowledge Based Inference Controlled Logic Simulation
in Sydow, A., Tzafestas, S.G., Vichnevetsky, R. (eds.): Systems Analysis
and Simulation 1988, Akademie-Verlag Berlin, 397-405.
- 85./ Benkő T.né, Dr. Jávor A., Römer M.: Digitális áramkörök szimulációs vizsgálata
(Investigation of Digital Circuits by Simulation)
Híradástechnika XXXIX(10), 1988. 436-439.
- 86./ Jávor, A.: Automatizace simulacnich experimentu

- Automatizace 32(3), 1989. 71-73.
- 87./ Jávora, A.: Automation of Simulation Experiments
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POSITIONS HELD AT INTERNATIONAL CONFERENCES

- 1980 IMACS European Simulation Meeting on Discrete Simulation and Related Fields, Keszthely, Hungary
Chairman of Scientific and Organizing Committee
Chairman of Round Table Discussion
Editor of Preprints and Proceedings Volumes
- Simulation of Large Systems, Bielefeld, F.R.G.
Presentation: Invited Tutorial Lecture
- 1981 Seminar on the Theory of Complex Systems and Methods for their Simulation, Moscow, USSR
Presentation: Invited Lecture
- 1982 10th IMACS World Congress on Systems Simulation and Scientific Computation, Montreal, Canada
Chairman of session
Session organizer
Coordinator

- 1983 Simulation of Systems'83, Prague, Czechoslovakia
 Chairman of session
 Panel member in Panel Discussion
- First European Simulation Congress ESC 83, Aachen, F.R.G.
 Panel member in Panel Discussion
- Simulation of Engineering Sciences, Nantes, France
 Member of International Programme Committee
- Seminar on the Theoretical and Practical Questions of Simulation,
 Moscow, USSR
 Presentation: Invited Paper
- 1984 Conf.: IMACS European Simulation Meeting on Simulation in
 Research and Development, Eger, Hungary
 Chairman of International Programme Committee
 Chairman of Organizing Committee
 Chairman of Round Table Discussion
 Editor of Preprints and Proceedings Volumes
2. Symposium Simulationstechnik, Vienna, Austria
 Chairman of session
- MECO'83 (Measurement and Control 6th IASTED International
 Symposium), Athens, Greece
 Member of International Programme Committee
- DIGITECH'84 IMACS European Meeting, Patras, Greece
 Co-Chairman of session
 Member of International Scientific Committee
- 1985 11th IMACS World Congress on System Simulation and
 Scientific Computation, Oslo, Norway
 Member of Scientific Programme Committee
 Chairman of session
 Session Organizer
- Knowledge Based Modelling & Simulation Methodologies,
 Papendal, The Netherlands
 Presentation: Invited Tutorial Paper
 Session chairman
 Panel member in Panel Discussion
- Systems Analysis and Simulation, Berlin, G.D.R.
 Presentation: Invited Survey Paper

- Member of International Programme Committee
Panel member in Panel Discussion
- Education in Microelectronics, Budapest, Hungary
Member of Organizing and Programme Committee
- 1986 JSST Conference on Recent Advances in Simulation of Complex Systems,
Tokyo, Japan
Member of International Programme Committee
- 8th International Symposium Computer at the University, Cavtat,
Yugoslavia
Presentation: Invited Lecture
Member of Program Committee
- 2nd European Simulation Congress ESC 86, Antwerp, Belgium
Member of International Congress Committee
Session chairman
Panel member in Panel Discussion
- System Design Automation Workshop "Multilevel System
Methodologies for DA", Johannes Kepler University, Linz, Austria
Demonstration of the LOBSTER-M: A Mixed Mode Simulator for CAD
- 1987 European Congress on Simulation, Prague, Czechoslovakia
Member of the International Program Committee
Presentation: Invited Plenary Paper
- 4th International Symposium on Modelling and
Simulation Methodology: Intelligent Environments and Goal-Directed
Models, Tucson, Arizona
Member of the Advisory Committee
- 9th International Symposium Computer at the University,
Cavtat, Yugoslavia
Member of Program Committee
- Simulation of Systems, Opava, Czechoslovakia
Member of the Honorary Presidium
- 1988 CAST Workshop, Johannes Kepler University, Linz, Austria
Presentation: From the Simulation of Logic to Logic Simulation
- 12th IMACS World Congress on Scientific Computation, Paris, France
Member of International Program Committee
Chairman of session

Session organizer

10th International Symposium Computer at the University, Cavtat,
Yugoslavia
Member of Program Committee

Systems Analysis and Simulation, Berlin, G.D.R.
Member of International Program Committee
Chairman of session

1989 Simulation of Systems, Ostrava, Czechoslovakia
Member of Program and Organizing Committee
Presentation: Invited Lecture

11th International Symposium Computer at the University,
Cavtat, Yugoslavia
Member of Program Committee

Beijing International Conference on System Simulation and
Scientific Computing, Beijing, China
Member of International Program Committee
Session organizer

EUROCAST'89, International Workshop on Computer Aided
Systems Theory, Las Palmas, Canary Islands, Spain
Member of International Program Advisory Committee

3rd European Simulation Congress, Edinburgh, U.K.
Member of International Committee

1990 12th International Symposium Computer at the University,
Cavtat, Yugoslavia
Member of Program Committee

IMACS European Simulation Meeting on Problem Solving by Simulation,
Esztergom, Hungary
Chairman of International Program Committee
Chairman of Organizing Committee
Chairman of Panel Discussion
Editor of Proceedings and Posters Volumes

3rd International Symposium on Systems Simulation, Odessa, USSR
Member of International Program Committee

First International Congress for Information Science, System
Engineering & Audio-Video Technology, Shanghai, China

- Member of Program Committee
- 1991 13th IMACS World Congress on Computation and Applied Mathematics, Dublin, Ireland
Member of International Programme Committee
- 13th International Conference on Information Technology Interface, Cavtat, Yugoslavia
Member of International Programme Committee
- 4th International Symposium on Simulation of Systems, Ostrava, Czechoslovakia
Member of International Programme Committee
- Congress on Multimediality and Artificial Intelligence, Technologies and Users in the Europe of the Next Ten Years, Prague, Czechoslovakia
Presentation: Invited Lecture
- Seminar Diskrete Simulation "Simulation zur Verbesserung und Planung in Fertigung und Verwaltung", Wiener Neustadt, Austria
Presentation: Modellbildung mit Petri Netzen - moderner Ansatz in der Simulationstechnik
Demonstration: IGENJA Simulator
- 1992 4th International Symposium on Systems Analysis and Simulation, Berlin, Germany
Member of International Programme Committee
Chairman of session
- EUROSIM Simulation Congress, Capri, Italy
Member of International Programme Committee
- 14th International Conference on Information Technology Interfaces, Pula, Croatia
Member of International Programme Committee
Chairman of session
- 2nd Beijing International Conference on System Simulation and Scientific Computing, Beijing, China
Member of International Program Committee
Chairman of session
- 1993 15th International Conference "Information Technology Interfaces"
ITI'93,
Pula, Croatia

Member of International Program Committee

EUROMICRO'93, Barcelona, Spain
Member of Programme Subcommittee
Chairman of session

SCS European Simulation Symposium, Delft, The Netherlands
Member of Programme Committee
Chairman of session

5th International Moravo-Silesian Symposium on Modelling and
Simulation of Systems, MOSIS 93, Olomouc, Czech Republic
Member of International Scientific Committee

1994 Massively Parallel Processing, Application and Development,
Delft, The Netherlands
Member of the scientific committee

CISS - First Joint Conference of International Simulation Societies,
Zurich, Switzerland
Member of International Program Committee

EUROMICRO'94, Liverpool, U.K.
Member of Programme Committee

14th IMACS World Congress on Computation and Applied Mathematics,
Atlanta, USA
Session organizer
Chairman of session

IMACS 1. MATHMOD, Vienna, Austria
Session organizer
Chairman of session
Presentations: Invited lecture and regular presentation

Seminar über Simulation, Didaktiktag "Modellbildung und
Simulation in der Lehre", Wien, Austria
Presentation: Modellbildung und Simulation mit Petri-Netzen

European Simulation Symposium, ESS 94, Istanbul, Turkey
Invited keynote presentation
Chairman of sessions

1995 9th European Simulation Multiconference, Prague, Czech Republic
Member of International Program Committee

17th International Conference "Information Technology Interfaces",
ITI '95, Pula, Croatia
Member of International Program Committee

EUROSIM Congress '95, Vienna, Austria
Member of Scientific Committee
Chairman of session

EUROMICRO'95, Como, Italy
Member of Programme Committee

IMACS European Simulation Meeting on Simulation Tools and
Applications, Győr, Hungary
Chairman of International Program Committee
Chairman of Organizing Committee
Editor of Proceedings and Posters Volumes

IMACS Symposium on Systems Analysis and Simulation,
Berlin, Germany
Member of International Program Committee
Chairman of session

3rd Beijing International Conference on System Simulation and Scientific
Computing, BICSC '95, Beijing, China
Member of International Program Committee

7th European Simulation Symposium, ESS 95, Erlangen - Nuremberg,
Germany
Coordinator

1996 IEEE International Conference on Systems, Man and Cybernetics, Beijing,
China
Member of Program Committee

18th International Conference "Information Technology Interfaces",
ITI '96, Pula, Croatia
Member of International Program Committee

European Simulation Multiconference on Modelling and Simulation,
Budapest, Hungary
General Chairman

Simulation Methodology and AI, Budapest, Hungary
Conference Chairman

Summer Computer Simulation Conference, Portland, Oregon, USA

- Chairman of session
- 1997 IEEE Conference on Engineering of Computer Based Systems, Monterey, California, USA
Member of Program Committee
- 19th International Conference on Information Technology Interfaces, Pula, Croatia
Member of International Program Committee
- Modelling and Simulation of Systems, MOSIS'97, Hradec nad Moravici, Czech Republic
Member of International Program Committee
- 11th European Simulation Multiconference, Istanbul, Turkey
Member of International Program Committee
- 2nd IMACS Symposium on Mathematical Modelling, Vienna, Austria
Chairman of session
- 1998 ESS 98 10th European Simulation Symposium & Exhibition, Nottingham, United Kingdom
Member of International Program Committee
- Modeling and Simulation of Systems, MOSIS'98, Svaty Hostyn - Bystrice Pod Hostynem, Czech Republic
Member of International Program Committee
Member of Organizing Committee
- Information Systems Modeling, St. Hostyn, Czech Republic
Member of Program Committee
- 20th International Conference Information Technology Interfaces, ITI'98, Pula, Croatia
Member of International Program Committee
- Summer Computer Simulation Conference, Reno, Nevada, USA
Chairman of session
- 1999 4th Beijing International Conference on System Simulation and Scientific Computing, Beijing, P.R. of China
Member of International Program Committee
- European Simulation Multiconference, Warsaw, Poland
Member of Program Committee

- 21st International Conference on Information Technology Interfaces,
Pula, Croatia
Member of International Program Committee
- Modelling and Simulation of Systems (MOSIS'99), Roznov pod
Radhostem, Czech Republic
Member of International Program Committee
- Summer Computer Simulation Conference, Chicago, Illinois, USA
Chairman of track
- 2000 Modelling and Simulation of Systems (MOSIS'2000), Roznov pod
Radhostem, Czech Republic
Member of International Program Committee
- 12th European Simulation Symposium, Hamburg, Germany
Member of International Program Committee
- 7th International Conference on Advanced Computer Systems,
Szczecin, Poland
Member of International Program Committee
- 22nd International Conference on Information Technology Interfaces,
Pula, Croatia
Member of International Program Committee
- 2001 Modelling and Simulation of Systems (MOSIS'2001), Hradec nad
Moravici, Czech Republic
Member of International Program Committee
- 23rd International Conference on Information Technology Interfaces,
Pula, Croatia
Member of International Program Committee
- ESS 2001, Marseilles, France
Member of International Program Committee
- 2002 AIS'2002, Lisbon, Portugal
Member of International Program Committee
- 5th International Conference on System Simulation and Scientific
Computing (ICSC'2002), Shanghai, P.R. China
Member of International Program Committee
- 24th International Conference on Information Technology Interfaces,
Pula, Croatia

- Member of International Program Committee
- 2003 Modelling and Simulation of Systems (MOSIS'03), Brno, Czech Republic
Member of International Program Committee
- 25th International Conference on Information Technology Interfaces,
Cavtat/Dubrovnik, Croatia
Member of International Program Committee
- Summer Computer Simulation Conference, Montreal, Canada
Chairman of session
- 7th International Conference "Informatics 2003", Bratislava, Slovakia
Invited presentation
- 2004 CSM2004 Conference on Conceptual Modeling and Simulation,
Genoa, Italy
Member of International Program Committee
- 26th International Conference on Information Technology Interfaces,
Cavtat/Dubrovnik, Croatia
Member of International Program Committee
- AI, Simulation and Planning in High Autonomy Systems-AIS'2004
Conference, Jeju, South Korea
Member of International Program Committee
- Summer Computer Simulation Conference, San José, USA
Track leader
Chairman of session
- 5th EUROSIM Congress on Modelling and Simulation, Paris, France
Member of International Program Committee
Chairman of session
- 2005 CSM2005 Conference on Conceptual Modeling and Simulation,
Marseilles, France
Member of International Program Committee
- 27th International Conference on Information Technology Interfaces,
Cavtat/Dubrovnik, Croatia
Member of International Program Committee
- 8th International Conference "Informatics 2005", Bratislava, Slovakia
Invited speaker

- Asia Simulation Conference 2005 – The 6th International Conference on System Simulation and Scientific Computing, Beijing, P.R. China
Member of International Program Committee
- 2006 Modelling and Simulation of Systems (MOSIS'06), Prerov, Czech Republic
Member of International Program Committee
- 28th International Conference on Information Technology Interfaces, Cavtat/Dubrovnik, Croatia
Member of International Program Committee
- International Conference on Computational Science, Workshop on "Computational methods for financial markets", Reading, U.K.
Member of International Program Committee
- 1st European Modelling Symposium, London, U.K.
Member of International Program Committee
- 5th Vienna International Conference on Mathematical Modelling (MATHMOD), Vienna, Austria
Session chair
- Summer Computer Simulation Conference (SCSC'06), Calgary, Canada
Track leader
Chairman of session
- SCS International Conference on Modeling and Simulation – Methodology, Tool, Software, Application, Calgary, Canada
Member of International Program Committee
Invited speaker
- 2nd European Modeling and Simulation Symposium, Barcelona, Spain
Member of International Program Committee
- 2007 6th EUROSIM Congress on Modelling and Simulation, Ljubljana, Slovenia
Member of International Program Committee
- Modelling and Simulation of Systems (MOSIS'07), Roznov pod Radhostem, Czech Republic
Member of International Program Committee
- IASTED International Conference on Applied Simulation and Modelling, ASM 2007, Palma De Mallorca, Spain
Member of International Program Committee

- 29th International Conference on Information Technology Interfaces,
Cavtat/Dubrovnik, Croatia
Member of International Program Committee
- Summer Computer Simulation Conference, San Diego, CA, USA
Track chair
Member of International Program Committee
- 19th European Modelling and Simulation Symposium, Berggeggi, Italy
Member of International Program Committee
- 2008 Agent-Directed Simulation Symposium (ADS), Ottawa, Canada
Member of International Program Committee
- Modelling and Simulation of Systems (MOSIS'08), Hradec nad
Moravici, Czech Republic
Member of International Program Committee
- Asia Simulation Conference 2008/Seventh International Conference on
System Simulation and Scientific Computing (ICSC'2008),
Chengdu, China
Co-chair of International Program Committee
- 17th IASTED International Conference on Applied Simulation and
Modelling (ASM 2008), Corfu, Greece
Member of International Program Committee
- 2009 Summer Computer Simulation Conference, Istanbul, Turkey
Member of International Program Committee
- Conference on Grand Challenges in Modeling and Simulation (GCMS'09)
Istanbul, Turkey
Member of International Program Committee
- Information Technologies 2009, Kaunas, Lithuania
Member of Program Committee
- Agent-Directed Simulation Conference (ADS'09), San Diego, CA, USA
Member of International Program Committee
- Modelling and Simulation of Systems (MOSIS'09), Roznov pod
Radhostem, Czech Republic
Member of International Program Committee
- IASTED International Conference on Applied Simulation and Modelling

- (ASM 2009)
Palma de Mallorca, Spain
Member of International Program Committee
- 2010 Agent-Directed Simulation Symposium (ADS'10)
Orlando, Florida
Member of International Program Committee
- 16th International Conference on Information and Software Technologies
(IT 2010)
Kaunas, Lithuania
Member of International Program Committee
- Modelling and Simulation of Systems (MOSIS'X), Hradec nad Moravici,
Czech Republic
Member of International Program Committee
- 2011 Agent-Directed Simulation Symposium (ADS'11)
Boston, MA, USA
Member of International Program Committee
- 17th International Conference on Information and Software Technologies
(IT 2011)
Kaunas, Lithuania
Member of International Program Committee
- 1st International Conference on Simulation and Modeling Methodologies,
Technologies and Applications (SIMULTECH 2011)
Noordwijkerhout, The Netherlands
Member of International Program Committee
- 2012 Agent-Directed Simulation Symposium (ADS'12)
Orlando, FL, USA
Member of International Program Committee
- IASTED International Conference on Applied Simulation and Modelling
(ASM 2012)
Napoli, Italy
Member of International Program Committee
- 2nd International Conference on Simulation and Modeling Methodologies,
Technologies and Applications (SIMULTECH 2012)
Rome, Italy
Member of International Program Committee
- International Conference on Software and Information Technologies

(ICIST 2012)
Kaunas, Lithuania
Member of International Program Committee

Summersim
Genoa, Italy
Member of International Program Committee

I3M
Wien, Austria
Member of International Program Committee
