Curriculum Vitae

Name: Mária **Raffai** PhD (born: Margit Mária **Sebesztha,** by doctoral degree in 1975: **dr. Maria Raffai**)
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eMail: raffai@sze.hu, maria.raffai@gmail.com

3. **Date and Place of Birth:** 22nd of October, 1945; Győr (Hungary, Europe)
4. **Nationality:** Hungarian
5. **Civil Status:** professor in the field of computer science and economics
6. **Present Position:** Professor at the Chair for Information Science at the Széchenyi István University
7. **The detailed information related to**
   - Education, Key Qualification, Language and other Skills, Interests
   - Professional Experience, Scientific Work, Publications, International Roles
   - Membership of Professional Bodies, Awards

   can be found detailed below.

Maria Raffai is professor at Széchenyi István University, Department for Information Science (Hungary, Győr). She is expert in information modeling and IS engineering methodology, in business process re-engineering improvement so far as in operation research and decision making. She has developed a wide and successfully used BPR[1] methodology adapted for the Central and Eastern European business cultures. The methodology is copyrighted under No. 99220002T. As an acknowledged expert in information science, she is taking part on several conferences and is publishing papers and books.

She plays very active role in scientific and professional public appearance:
(1) As senior expert and consultant she is involved in many software development projects aiming to support different business problems.
(2) She used to be former vice president of John von Neumann Computer Society (JvN CS, 2000-2006), she was the founder (2001) and still she is the president of the Scientific and Educational Forum for Business Information Systems (SEFBIS),
(3) Chief editor of the GIKOF and SEFBIS Journals,
(4) She represented the Hungarian IT professionals in IFIP (International Federation on Information Processing) as the National Representative until 2019, she was elected for the honorary secretary position of IFIP between 2010-2014 and for the councilor officer of that Association between 2015-2019.
(5) She is the representative of JvN CS in TC8 Information Systems Technical Committee, Vice Chair of Enterprise Information Systems Working Group (WG 8.9) until 2020.
(6) Besides she is the member/chair of several International Program Committees (e.g. IRMA, ISBIS, SM, IDIMT, CONFENIS conferences).

In recognition of her activity Maria Raffai was awarded by *the „John von Neumann Award"* (1999), *two Publication Awards* (2000, 2001), *„Master Professor Medal*" (2003), she became *"IT Professor of the Year"* in 2005, she received an *Award for activity* performed in the Hungarian *Information Science* (2006).), "*IFIP Internal Service Award*" (2010). Her committed work was acknowledged in 2013 with the medal for the *Effective Activity resulted in Education and Pedagogy*, and for her lifelong manifested productive and efficient work she was awarded in 2020 with the *Oeuvre-Award for the lifelong, committed activity.* More detailed information can be found on the website: http://raffa6.wixsite.com/mariaraffai

[1] BPR: Business Process Re-engineering

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Education, Key Qualifications:

1969 Diploma of the University of Economics 1964-1969; Dipl.Nr.:548/1968-69/d.
1971 Diploma of Computer Programming 71/4/0279
1973 Special Diploma of Economics in the Field of Computer Sciences Sz/5-23/1973.
1974 Diploma of System Engineering Studies 603/74
1976 Doctor Degree of University Level I-36/1975-76
1991 Middle-Level State Exam in German Language Á 0099805/1991
1992 Certification of Management Studies, State University of New York
1996 Middle-Level State Exam in English Language (No. 20908)
1999 Ph.D degree

Scientific Activity

Main Research Fields:

- information management, information modeling
- information engineering technologies, object oriented paradigm, modeling languages
- decision making, strategies, matematical methods, operation research, IT support,
- effective business solutions, organization development
- RTEBP: an adapted methodology for the CEE business cultures (self-developed BPR methodology)
- business process modeling, business process re-engineering, business continuity planning
- enterprise information systems, application integration
- History on computing, programming languages
- the effective way of the education and training

Licensing

Maria Raffai developed as a PhD work a wide and successfully used BPR methodology adapted for the Central and Eastern European business cultures. The RTeBP (Reengineering Technology for Eastern and Central European Business Cultures) methodology is copyrighted by the ARTISJUS Licensing Office under No. 99220002T in December 1999.

Summarized professional results

- 40 books, 18 pepers in citied professional journals
- 121 conference presentations, 52 at international conferences and congresses
- 17 scientific research reports
- 27 citation in different books
- 2 dissertations (a doctoral and a PhD)
- 1 lisence for RTeBP methodology

Membership, Roles in Professional Bodies

- Vice President of John von Neumann Computer Society (2000–2006)
- President of the County Organization of John v. Neumann Computer Society (in Hungarian)
- Founder and still President of GIKOF, SEFBIS Scientific and Educational Forum for Business Information Technology)
- Chief Editor of the GIKOF an SEFBIS Journals (professional journals on business information science)
- Member of the Association for Economic Modeling
- Member of the Association for Operation Research
- Leader of some Special Boards with topics of IE Development Methodology, Software and ICT Technology, Object-oriented Analysis and Design, Enterprise Application Integration and Component Modeling
- Member of VEAB Academic Board
- Honorary Secretary if IFP (elected for 2010-2014
- Councilor of IFIP (2015-2019)
- TC 8 Hungarian Representative
- Member of OTUG (Object Technology User's Group
- President of the Grant Alexander

Awards

- Oeuvre-Award for the lifelong, committed activity, 2020
- Medal for the Effective Activity resulted in Education and Pedagogy , 2013
- Internal Service Award, acknowledgement for the international scientific work, 2010
- Award for activity performed in the Hungarian Information Science, 2006
- IT Professor of the Year, 2005
- Master Professor Medal, 2003.
- Publication Award '2001 for the book of Objects in Business Modeling - The Concepts and Methodolgy for Object-oriented Software Development Process
- Publication Award '2000 for book of RTeBP Re-engineering Methodology User Guide for Developers
- John von Neumann Award 1999.
- VEAB Akademic Award, 1983.

Books

Books, summarized by themes and series:

[1] The Information: Role, Effect, Management --- Publisher: Palatia Nyomda és Kiadó Co

[2] *5 volume of Object Technology series*:

- Objects in Business Modelling - The Concepts and Methodolgy for the Object-oriented Sofware Development Process – Publisher: Novadat (ISBN 963 9056 28 6), **Publication Award!**
- Unified Development Solutions - User Guide for the UML Modeling Language and the RUP Methodology – Publisher: Novadat (ISBN 963 9056 29 4);

- Object-Oriented Application Development by RUP Methodology using UML Technique – Publisher Novadat (ISBN 963 9056 31 6)
- UML 2 -- Unified Modeling Lanuage User Guide Completed with Patterns – Publisher Palatia Inc. (ISBN 963 7692 01 0; 2005, 2007);
- RUP, the Unified Development Methodology – Publisher Palatia Inc.

[3] *Developing and Managing Information Systems* – the publishing of this 998 Pages book was supported by the Ministry of Education ISBN 963 9056 35 9, Publisher Novadat Bt.

[4] *Information Systems Development* – ISBN 963 9056 19 7, Publisher Palatia Inc.

[5] *Half Century of Computing* – ISBN 9 789638 455611 Publisher Springer Ag.

[6] *3 volumes of The Management's Successful Solutions series:*

- BPR Business Process Reeingeneering ISBN: 963 9056 22 7
- *RTeBP Re-engineering Methodology* – adapted for CEE Business Culture ISBN: 963 9056 24 3, 1999. The methodology is copyrighted under No. 99220002T and gained **Publication Award** in 2000.
- BCP Business Continuity Planning – Plan for Prevention and Recovery

[7] *Volumes of Series Decision Making* (Co-authors: Zoltán Ferenczi, Bálint Hirkó, Attila Jámbor, Zoltán Nagy, Zoltán Varga) – Publisher Novadat Bt.

- Decision Making – Theoretical Approach ISBN 963 9056 10 5
- Operation Research – Methods ISBN 963 9056 10 3
- Case Studies ISBN 963 9056 13 8

Published books in details

[2012] RUP, the Unified Development Methodology – Publisher Palatia Inc.

[2011] Computer Almanach – Publisher Palatia Inc.

[2007/3] UML 2 -- Unified Modeling Lanuage User Guide Completed with Patterns --- Revised Edition, Publisher Palatia Inc.

[2007/2] IRT2: The Data and Functional Model - Eng. Methods and Tools - Forth, revised Edition; Novadat.

[2007/1] IRT5: Problem Analysis and Business Diagnosis - Analysis Methods and Techniques – Novadat Co.

[2006/2] The Information: Role, Effect, Management --- Publisher: Palatia Nyomda és Kiadó Co.

[2006/1] English-Hungarian Dictionary on Computing --- Authors Community, Editor in Chief:: Antal Iványi; Publisher: Tinta Co.

[2005] UML 2 -- Unified Modeling Lanuage User Guide Completed with Patterns --- Publisher Palatia Inc.

[2003] Information Systems Engineering and Management - ISBN 963 9056 35 9 – Publisher: Novadat

[2002] Application Development Case Study - Rational Rose User Guide and a Development process for the Olympic Information System – Publisher: Novadat Co-Author: Kovacs, K.

[2001/4] Unified Development Solutions - User Guide for the UML Modeling Language and the RUP Methodology – Publisher: Novadat

[2001/3] Objects in Business Modelling - The Concepts and Methodology for the Object-oriented Software Development Process – Publisher: Novadat

[2001/2] Project Management – Concepts and Techniques – User Guide for Lear Corporation Hungary

[2001/1] Decision Making - Operation Research – Co-authors: Hirko, B., Jambor, A., Nagy, Z., Varga Z. Publisher Novadat

[2000/4] UML Reference Card – Publisher Grant Alexander 2000.

[2000/5] Information Modeling – Conceptual Level – Publisher: Novadat

[2000/3] Object-Oriented Application Development using Unified Methodology (RUP) and Unified Modeling Language (UML) - With patterns and case study; Publisher: Novadat

[2000/2] Information Management – An Information Retrieval Approach – Co-author: Dominich, S. KHVM Project

[2000/1] Object-Oriented Application Development by RUP Methodology using UML Modeling Languege – Publisher Novadat

[1999/9] Software Engineering Technology – Co-author: Tick, J. KHVM Project
[1999/8] Computer Almanac - History of Computing in Hungary – Published both in Hungarian and in English in form of book and CD, Publisher: InForum
[1999/7] Computer Aided Decision Making - Case Studies – ISBN 963 9056 23 5 (Co-authors: Ferenczi, Z., Jámbor, A., Nagy, Z.; Publisher: Novadat
[1999/6] RTEBP Business Process Re-engineering Methodology – Adapted for the CEE Business Cultures – ISBN 963 9056 24 3, Publisher Novadat
[1999/5] Operation Systems – (written by an author community, coordinator: Szíjártó, M.) Publ. Novadat
[1999/4] BCP Business Continuity Planning – ISBN 963 9056 22 7, Novadat, 1999.
[1999/3] BPR Business Process Re-engineering – Methodologies, Success and Barrier Factors – ISBN: 963 9056 21 9, Novadat
[1999/2] Information Engineering – Pages: 749, MKM Granted - ISBN 963 9056 19 7 Publisher: Novadat
[1999/1] Information Modelling - Conceptual Approach (IRT2) – 3rd Edition, Pages: 211, Publisher: Novadat
[1998/1] Process and Methods for Preparing Decisions – ISBN 963 9056 13 8 Pages 310, Co-authors: Ferenczy, Z., Nagy, Z. – Publisher Novadat
[1997/4] Computer Networks – Pages: 168, Publisher: EKTF Líceum, co-authors: Pomahazi, S.; Szabó, A.
[1997/3] The Half-Century History of Computing – Pages: 495, ISBN 963 8455 61 6 Publisher: Springer
[1997/2] Netscape Navigator on the Internet (IRT4) – Pages: 210, Publisher: Novadat, co-author: Szabó, A.
[1997/1] Information Modeling - Physical Approach (IRT3) – 2nd Edition, Pages: 310, Publisher: Novadat,
[1996/4] Information Engineering – Computer Aided Information Processing – Pages: 331, ISBN 963 85417 6 8, Publisher: Novadat
[1996/3] Decision Making - Case Studies 2nd Edition, Publisher: Novadat; co-authors : Ferenczi, Z.; Nagy, Z.
[1996/2] Information Management, Engineering Method (IRT1) – 2nd Edition, Pages: 248, Publisher: Novadat
[1996/1] Information Engineering - The Challenge of Information Society – Pages: 331, - ISBN 963 85417 6 8 Publisher: Novadat.
[1995/2] The World of Software – Pages: 245, ISBN 963 85262 9 7 Publicher: Novadat
[1995/1] Decision-Making – Pages: 101, ISSN 1218-8360 Publisher: Novadat
[1994/1] Operations Research Methodology – Case Studies – Pages: 101, ISSN 1218-8360 Novadat Co.

Due to Publishing:

- Decision Making – Theory of Statistical Algorithms – Methodology Guide
- CyberCorp – The ICT–Oriented Organizations of the 21st Century

Publications, Speeches, Papers

[2020/1] A Success Story of Enterprise Information System Events – Keynote speech, on-line CONFENIS Conference;co-authors: A Min Tjoa and Li Da Xu
[2017/1] The Importance of the International-wide ICT cooperation; Challenges of IFIP International Federation on Information Processing – Keynote speech, CONFENIS Conference, Shanghai, China
[2016/1] The History of a successful conference series on Enterprise Information Systems – Keynote speech, CONFENIS Conference, Vienna, Austria
[2015/1] Keynote speech at Confenis Conference on Enterprise Information System; World Computer Congress, Daejeon, South Korea 2015
[2012/2] ICT Professionalism – Efforts to Create and Accredit Standards Worldwide; SEFBIS Journal Vol 7
[2012/1] Business Continuity Management – International 3days Seminar on Business Continuity, Budapest
[2011/3] ICT in Business –Intelligent Solutions – SEFBIS conference, organized by NJSZT SEFBIS in Gyor
[2011/2] Role and Importance of Information in the 21st Century — Workshop of János Harsányi Professional Community. May 2011, Veszprém
[2011/1] Applied Computer Science from the WCC'2010 Perspective — Plenary speech, AIK Conference February 2011, Kaposvár

[2010/3] IFIP World Computer Congress and the Organizer Continent: Australia — JvN CS Workshop, Budapest, December 2010

[2010/2] The Role an Importance of IFIP and its TCs - WMNC 2010: Joint IFIP Wireless and Mobile Networking Conference (Budapest, Hungary, October 2010)

[2010/1] Digital Business Ecosystem Tools as Interoperability Drivers - Co-authors: M. Herdon, T. Rózsa: – IFIP World Computer Congress (Brisbane, Australia), Enterprise Architecture, Integration and Interoperability (Springer); September 2010

[2009/3] Challenges of ICT Sustainability – keynote speech, CONFENIS and ISBIS joint conference, November 2009; Győr, Hungary

[2009/2] The IT-supported sustainability, Position Paper, WITFOR'2009, National Convention Centre, Hanoi, Vietnam; also interview for the Hanoi Television

[2009/1] Knowledge Economy Maturity – Position, Efforts and Results in Hungary – ICT Skills, Education and Certification, IT Star Series (Starbus, Rome, Italy), pp. 51-68, 2009.

[2008/8] Knowledge Economy and IT Education in Hungary; Digital Literacy and IT Professionalism — NISE 2008, 3rd IT STAR International Workshop on National Information Society Experiences, Godollo

[2008/7] Benefit of the IT-Investments - Technological and Cost-Return-Benefit Approach- Co-Authors: Varga, A., Erdős; F; IDIMT-2008, Interdisciplinary International Management Talks Conference, Czech Republic

[2008/6] Return of IT Investments: new Subject on the Course Business Information Systems -- Co-author: Erdős, F.; IT in Higher Education Conference, IF'2008, Debrecen

[2008/5] International Accreditation Program - Beyond Bologna -- Co-Author: Fustos, J. (State University, Denver) ICELM 2008 Conference, Marosvásárhely, Romania

[2008/3] The Hungarian Professionals' Role in the International Organizations – Co Author: Dömölki; B. IT in Higher Education Conference, IF'2008, Debrecen

[2008/2] International Program for Standardizing Global IT Profession -- SEFBIS Journal, 2008. No. 3

[2008/1] Globalization by Bologna process: Curriculums from and beyond the Ocean -- Co Author: Füstös, J. (State University, Denver); IT in Higher Education Conference, IF'2008, Debrecen

[2007/6] Status Report about the situation and the results of the Hungarian IT professionals – .IFIP conference on sustainable IT development, Ethiopia, Addis Ababa, 25.08.2007

[2007/5] IP3: the Unified program of IT-professionalism - Workshop of Teachers, Professors, Academicians active in the Field of IT, Szeged, 2007. okt. 26-27.

[2007/4] Enterprise Application Integration - Metamodel Approach - IDIMT Conference, Budweis

[2007/3] Model Oriented Enterprise Integration - Metamodel for Realizing EAI - CONFENIS 2007 Conference, Beijing, China

[2007/2] The Need for Harmony of IT and Business Strategy - SEFBIS Journal, 2007. No. 2

[2007/1] New Working Group in IFIP TC8 Information Systems Committee - WG 8.9 Working Group on Enterprise Information Systems - SEFBIS Journal, 2007. No. 2

[2006/5] Scientific and Educational Forum on Business Information Systems - Keynote Speech, ItStarrs Symposium, Rome, Italy,

[2006/5] Enterprise Application Integration – Need, Concept, Solutions - Keynote Speech, Interdisciplinary Information Management Talks International Conference; Budweis,

[2006/4] Computing behind the Iron Curtain and Beyond - Hungarian National Perspective - IIFIP WCC'2006 Santiago de Chile (IFIP World Congress)

[2006/3] Course on Business Information Systems - Experiences, Problems to Solve, Cooperation - IX. Congress of the John von Neumann Computer Society, Győr (in Hungarian)

[2006/2] Challenges, Concepts and Solutions during the IS/IT (R)Evolution) - paper in the book edited by Hoyer, Ch. - Grünbacher, P. - Seyff, N. (editors): Festschrift zum 65. Geburtstag von o.Univ.-Prof Dr. Gerhard Chroust, ISBN 3-85403-208-00 Kiadó: Oestereichische Computer Gesellschaft

[2006/1] The IT Strategy as the Organic Part of the Business Strategy - Plenary Speach, 11th International Scientific Symposium: Strategic Management and Decision Support Systems on Strategic Management Conference (SM'2006) Palič, Serbia-Montenegro

[2005/12] The Mission of the Students' International Joint Consulting Projects - ISBIS'2005 International Conference on Business Information Systems, Gyor

[2005/11] Application Development Beyond the Methodology Revolution - Plenary Presentation; InterDisciplinary Management Talks Conference, Budweis

[2005/10] The Role of the IFIP and the TC8 Information Systems Committee - A Genaral Overview - Co-author: David Roode; Keynote Speech; International Symposium on the Business Information Systems, Gyor

[2005/9] The Great Challenge of the Information Society in the 21st Century: The Internet Today and Beyond - Szechenyi University MTK IVI Seminar

[2005/8] Designing and Managing IT-projects: Paradigm, Methods and Tools - Plenary Presentation on the IIR Certified Advanced IT Project Manager Course - Institute for International Research Conference, Budapest

[2005/7] International Joint Projects for Solving Real Business Problems - Applied Information Science Conference, Kaposvár

[2005/6] Application Development beyond the Methodology Revolution – Keynote Paper, Interdisciplinary Information Management Talks International Conference; Budweis

[2005/5] The Two Stage Education System of the Course for Business Information Systems – Conference on Information Science in Higher Education, Debrecen

[2005/4] Model Driven Application Development Process – plenary speech at the Conference on Information Science, Szeged

[2005/3] Domainspecific, Modeldriven Application Development - The UML Based Domain Model Transformation using MDA Strategy - SZE MTK Scientific Symposium, Gyor

[2005/2] Developing IS Curriculum: A Hungarian Approach Application of the Two-Stage Model for Information Science Programs -- Co-Authors: Füstös, J. Molnárka; Gy., IRMA Conference, San Diego California

[2005/1] Document Management Systems - The Present Situation in Hungary - Plenary Presentation; Institute for International Research Conference, 2005.02.22. Presentation Slides

[2004/8] A Unique Formalism for the Multilingual Software Development Projects - IPMA World Congress

[2004/7] The Great Challenge of the Information Society - The Internet Today and Beyond – NJSZT Conference ; Eger.

[2004/6] The Hungarian Research Activity and the Scientific Results in the Field of Information Science - Report at the IFIP Information Systems Committee Work Conference; Oslo

[2004/5] The Common Higher Education Reform of the European Space - Plenary Presentation, Interdisciplinary Information Management Talks International Conference; Budweis, 2004.09.11.

[2004/4] The MDA based Business Model Transformation – An Object- and Architecture Centric Strategy Approach – GIKOF Journal 3. No. 4.Januar 2004.

[2004/3] Enterprise Application Integration – Conference on Information Knowledge organized by Marketing Kommunikációs Inc.,

[2004/2] A Unique Formalism for the Multilingual Software Development Projects - IPMA World Congress

[2004/1] Saving Enterprise Data Wealth - Challenges for Higher Education - presentation slides - IDC International Storage Roadshow Budapest Hilton,

[2003/8] The Medical Attendance Continuity 2.- Prevention of the Unexpected Events and the Damage Recovery – IME Journal, Information Technology and IS/IT Management in Public Health, Vol II./2. March 2003

[2003/7] The UML based Transformation of the Domain Model - Modeling Strategy for the Enterprise Application Integration – Conference on Business Information Systems, Győr

[2003/6] The Base of Business Continuity at the Software Sensitive Enterprises – NJSZT Centenarian Congress, Hungarian Academy of Sciences

[2003/5] Managing Software Development Projects – Article in the Senet Project Review, 2003/1., Ljubljana, Croatia, 2003

[2003/4] The Concept of the two level Bologna Decree based on Course for Information Science – Plenary speech on the Professors' Conference, Szeged

[2003/3] Trends in Information Technology - Intelligent Solutions in BIS Development and Management – Keynote paper, 11th InterDisciplinery Information Management Talks Conference, Budweis, September, 2003

[2003/2] The IT Security of Business Continuity – Congress of John von Neumann Computer Society, MTA, Academy of Sciences, Budapest

[2003/1] The Medical Attendance Continuity 1.Part – Prevention of the Unexpected Events and the Damage Recovery – IME Journal, Information Technology and IS/IT Management in Public Health, Vol.II./1. January 2003.

[2002/4] The Conception of the Two-Level Higher Education System - Business Information Curriculum based on The Bologna Decretum – GIKOF Journal, I./2., December 2002

[2002/3] The Mission of the Scientific and Educational Forum for Business Information Technology – GIKOF Journal, I./1., August 2002

[2002/2] Managing Software Development Projects – SENET Project Review, 1./2002, Ljubljana, Slovenia

[2002/1] The Appropriate Analysis and Design Method - A Theoretical Aspect – SZE University Electronic Journal, Győr, Hungary

[2001/5] Program for Realization of the Information Society – MTESZ Congress, Veszprem, Hungary

[2001/4] Social Responsibility in Public Education of IT Culture – Professional Forum of Civil Organizations, Győr, Hungary

[2001/3] How to Get Closer to the New Economy - New Aspects and Paradigms in Business Modeling and in Application Development – 9th InterDisciplinery Information Management Talks Conference, Czech Republic

[2001/2] New Technological Paradigms - Change Management in the Higher Education– Keynote speech on the 25th MFSZO Conference

[2001/1] The Information Technology as the Catalyst of the Social Innovation – Keynote presentation, InfoSavaria Conference, Szombathely

[2000/7] BPR Methodology Adapted for CEE Business Cultures – PhD Symposium, Pecs

[2000/6] Business Process Continuity Planning - Methodology Aspect – HumanSoft Forum

[2000/5] Object-Representation and Retrieval - Conceptual Approach – Information Retrieval - Philosophy and Practice. 2nd Research Seminar, Veszprem University

[2000/4] Knowledge Workers of the 21th Century - The Responsibility in Generalization of the Information Culture – NJSZT Congress (Budapest)

[2000/3] A Chance for Survival in the CEE Countries – RTeBP Re-engineering Methodology for the CEE Business Cultures – Word Computer Congress, ITB2000 Information Technology for Business Management, Beijing, China

[2000/2] The Concept and Methodology for Survival in Hungary - BPR Paradigm and methodology adapted for the Hungarian Business Cultures - Public Ph.D. Presentation

[2000/1] Object Technology during the Whole Development Life Cycle - Educational Approach - VEAB Research Symposium.

[1999/5] The Role of Object Technology in the Business Modeling – Conference on Computer Science in the Higher Education, Debrecen

[1999/5] RTEBP Business Process Re-engineering Methodology – An adapted Model for the Central and Eastern European Business Culture – ECIS'99 Conference on Information Systems, Copenhagen

[1999/4] The Challenge of the Object Technology – The Strategy and Realization of the New Knowledge – (Co-author: Kovács, K. – Conference on Computer Science in the Higher Education, Debrecen
[1999/3] Concept and Methodology for the Survival and for the Increase Competitive Positions – RTEBP: an Adapted BPR Methodology – Ph.D. dissertation, final version 2.0, JPTE
[1999/2] The New Industrial Model in the Silicon Valley – Computerworld
[1999/1] The Challenge of the Labour Market at the beginning of the 21st Century – Journal Marketing and Management, Vol. No. 1/1999
[1998/7] The RTEBP Business Process Re-engineering Methodology –– BKE Conference, Budapest
[1998/6] The Tasks and the Problems in Teaching the up-to-date Information Engineering Knowledge – A Knowledge-Market Approach – MFI Conference
[1998/5] The Questions on Teaching up-to-date Knowledge –- Conference of MFIK
[1998/4] RTEBP Object-Based Re-engineering Methodology - An adopted Model for the Central and Eastern European Business Culture - Proceeding on the 3rd Conference on Object-Technology, Dobogókő
[1998/3] Struggle with the Information Technology - The Problems of the Higher Education - Proceeding on the Conference for Higher Education - Budapest
[1998/2] The Business Strategy towards the Global Information Society – The Results and Conclusions of a Survey in Hungary - WCC'1998 (IFIP World Computer Congress), Vienna-Budapest
[1998/1] RTEBP: Reengineering Technology for the effective Business Processes– The BPR Methodology is the Result of the Ph.D. Research - Version 1.0.
[1997/9] The Technological and Knowledge Market Factors effecting on the competitiveness – A survey at the Hungarian Enterprises (w. interviewing 865 managers), an empirical analysis – Research Study
[1997/8] OOAD versus SA/SD – New concepts in Software Engineering – 2nd Conf. on Object Technology
[1997/7] The responsibility and the Tasks of Education – The Importance of the OO Paradigm –MFIK Confe.
[1997/6] Object-Oriented Analysis and Design with Object Modeling Technique - Methodology and Case Study – Santa Clara, California
[1997/5] The IT-Industry in Silicon Valley – Journal Számítástechnika, Vol. 9/1997
[1997/4] Object-oriented Business Patterns - Educational material on the Szechenyi Istvan University
[1997/3] Object-oriented Design Patterns - Educational material on the Szechenyi Istvan University
[1997/2] OOAD versus SA/SD - New Concepts for Software Engineering Technology - II. Object-Oriented Conference, Visegrad
[1997/1] Object-Oriented Paradigm in the Whole Life Cycle - Proceeding on the Conference for Higher Education, Győr
[1996/7] Following Object-Oriented Concept and Using OO Technology in the Whole Development Life Cycle – Awarded research project (co-authors: Kovács, K., Krizsák, G., Pataki, P., Szabó, D., Szikora, E.)
[1996/6] The Relationship between the Knowledge Market and Higher Education – Studium Journal, Gyor
[1996/5] The Social-Political Expectations from the higher Educated Students - Studium, 1996-97.
[1996/4] Social-Economic Expectations for the Specialists in Computer Science - Proceeding on the Conference for Information Technology, Debrecen
[1996/3] The Responsibility of Higher Education at the Beginning of the Global Information Society - The Long term, Convertible Knowledge - International Conference
[1996/2] The Challenge of the Higher Education at the End of the 20th Century - Wiener Informationstechnik Konferenz - Wien
[1996/1] The Actual Task of the Higher Education - Proceeding, The IT Knowledge in the Higher Education - Conference in Debrecen
[1995/2] The Silicon Valley's Industrial Model - Computerworld; Student
[1995/1] Efforts to Integrate the up-to-date knowledge in Information Technology - Proceeding on the Conference for Higher Education.
[1990/1] Database Oriented Information Engineering - KTMF Kiadó, 1990.
[1989/1] Student-Oriented Skills for Teaching Information Engineering - Győr 1989.

[1988/1] Program-Development of Simulation based Methods for Operation Research Problems- Software Description and User Guide, 1988.
[1985/3] Computer Aided Networks for Signal-Controlled Traffic Systems - ENSZ-UNIDO Project (co-author: dr. Koren, Cs.) Budapest, 1985
[1985/2] Computer Aided Traffic-Control System - MIT Scientific Reports, Boston 1985.
[1985/1] Computer Simulation for Planing Technical-Economical Developing Tasks at the Traffic Firms - VEAB (co-author: dr.Rixer, A.), Veszprém, 1985.
[1983/1] Modeling the Business Processes at MÁV - Optimization of the Quantitative Matrices Scientific News, Győr, 1983.
[1982/1] Dynamic Programming Models and Applications . KTMF, Győr, 1982
[1982/1] Computer Aided Production Information Control System at the RÁBATEXT Factory. - System Development, Győr, 1982
[1975/1] Computer Aided Requirements Planning and Inventory Control System – Doctoral Dissertation, MKKE
[1974/1] Computer Aided Personal Database and Management System in a Complex Production Information Control System - Budapest, 1974
[2005/13] BCP: Business Continuity Planning, a General Overview - Plenary Presentation on the IIR Institute for International Research Conference, Budapest

Scrutinizing (criticizing)

Kruzslicz, F. – Sramó, A.: INFORMATION ENGINEERING WITH CASE TOOLS - JPTE Pécs, 1996.
Koczka, F.: BASIC KNOWLEDGE ON COMPUTING – PHARE-EKTF-Líceum, 1997.
Baka, M. – Koczka, F.: TEXT EDITORS – PHARE-EKTF-Líceum, 1997.
Nyesőné, M. M. – Koczka, F.: SOFTWARE FOR DATA BASES –PHARE-EKTF-Líceum,1997.
Halassy, B.: DATA BASES. - PHARE Hu-94.05 Project. 1998

Study Tours, Joint Research

2017 **Organizing and Managing Confenis Conference Series** (Shanghai, China) Beside to present a keynote speech, M. Raffai and Li Da Xu were the main organizers of the CONFENIS'2017
2017 **SEARCC, South East Asian Regional Computer Confederation Conference** (Colombo Sri Lanka); Topic: bringing IT leaders from the South East Asian Region including Australia, Papua New Gunia, Malaysia, India and Taiwan closer to each other,discussing the common issues
2016 **CONFENIS Jubilee Conference** (Österreichische Computer Gesellschaft Vienna, Austria); Topic: conference on Enterprise Information System in cooperation with NJSZT GIKOF
2016 **WITFOR, World Information Technology Forum** (San Jose, Costa Rica); Topic: bringing together members of the ICT community from governments, academia, industry and associations to support the underdeveloped countries in reducing poverty and hunger; achieving universal education; promoting gender equality; ensuring environmental sustainability
2015 **WCC World Computer Congress** (Daejeon, South Korea); Topic: world conference on new ICT challenges: security, sustainability and much more
2014 **Österreichische Computer Gesellschaft** (Vienna, Austria); Topic: co-operation opportunities between OCG and NJSZT GIKOF
2012 **Universiteit Gent** (Ghent, Belgium); Topic: the future of ERP systems and the computing support (co-ordinating with CONFENIS conferences)
2012 **NGI** (Netherlands' Computer Society; Amsterdam, Netherlands); Topic: IT professionalism in different continents of the globe – presentations, discussions, workshops in a new form of flagship events of IFIP

2011 **Charles University** (Faculty of Mathematics and Physics, Prague, Czech Republic); Topic: cooperation and joint research projects between universities in Prague and Gyor

2011 **Irish Computer Society** (Dublin, Ireland): Topic: worldwide spreading of the professional spirit represented by the national computer societies

2010 **Queensland University of Technology** (Brisbane, Australia); Topic**:** co-operation in organizing conference of TC 8: GISP: Global IS Processes

2010 **University of National and World Economy** (Sofia, Bulgaria); Topic: how to give support to the IT professionals in the CEE region (Central and Eastern Europe)

2009. **SEARCC** (Hanoi, Vietnam); Topic**:** Spreading the most up-to-date info-communication technology to Far-East Asia – Cooperation with SEARCC (South-East Asia Regional Computer Confederation, organizing and performing WITFOR'2009 conference

2008. **Politecnico di Milano** (Department of Electronics and Information, Milan, Italy); Topic**:**

2007 **EICTDA** (Ethiopian Information Communication and Technology Development Agency, Addis Ababa, Ethiopia); Topic**:** supporting the underdeveloped countries by helping their professional in ensuring free participation at ICT conferences. Organizing and performing WITFOR conference

2007 **BCS** (British Computer Society, London, UK) Topic: the way of more effective international cooperation of IT professionals – beyond the IT professionalism programs

2006. **Diego Portales University** (School of Engineering, Santiago, Chile); Topic**:** the newest ICT research results in educational aspect, forming a special interest group on Enterprise Information System in cooperation with CLEI, the Association of Latin American CSs.

2005 **University of Minho** (Information Systems Department, Guimaraes, Portugal); Topic**:** European university cooperation encouraging unified research methods and techniques; EMMSAD´05

2004 **SINTEF** (Research Center on ICT, Oslo, Norway) Topic: new forms of conferences, the ways of effective knowledge transfer; performing Working Conference on Mobile Information Systems (MOBIS):

2003 **WU** (Vienna University of Economics and Business, Austria) Topic: cooperation in education in Vienna and Gyor – joint research and education project

2000 **Stockholm University** (Stockholm, Sweeden); Topic**:** object-oriented development methodologies (research co-operation)

1999 **Noordelijke Hoogeschool Leeuwarden** (Leeuwarden, Holland); Topic: educational approach of information engineering (study tour)

1998. **Prague University of Economics** (Prague, Czech Republic); Topic: CEBUSNET International Workshop: „European Best Practices"

1997. **Rational Software Inc**. (USA, California); Topic: Object-oriented Analysis and design methods

1997. **Harvard University** (USA, Boston); Topic: Organization Development, business process re-engineering

1997. **Hamburg University** (Hamburg, Germany); Topic**:** software development methodologies (study-tour)

1996. Conference on Information Technology (Vienna, Austria)

1994. **Universität Basel** (Basel, Switzerland) Topic: Education Plans and Methods in the Skill of the Specialists in Economist-Computer Science

1994. **Eidgenössische Technische Hochschule** (Zürich, Svájc) Topic: Computer Aided object-oriented Development Tools for System Engineering

1992. **Hochschule für Technik und Wirtschaft** (Kempten, Germany) Topic: The up-to-date Methods for Software and Information Engineering, and the new Results of Operation Research

1985. **MIT, Boston** (USA) – Topic: UNIDO research project in topic: Computer Aided Traffic Control System of the Cities - Scientific Work

1983. Effective Application of the Operation Research Methods - **Conference** (London, UK) Topic: A Mathematical Method for Traffic Control System

1975. **Doctoral Research - Dissertation at University level –** Topic: Computer Aided Requirement Planning and Inventory Control System in a Factory with the tasks of Production and Assembly

1971. **IBM ROECE** – Vienna; Topic: Computer Aided Inventory Control System