Dr. Eduard Babulak

Dear Colleagues and Friends,

Our scholastics works are pillars of the academic foundation that is essential for future young scholars and educators that may walk in our footsteps for the betterment of Mankind. I humbly believe that as Scholars and Educators we are like Farmers, planting a seed of thoughts of wisdom, humanity and good character in the heart and souls of our students, colleagues and people that we come to meet and work with on our journey of life. I am pleased to share with you some of my current scholastics works and wish you all a good health and all the best. I am passionate global scholar, did work on four continents, communicating in sixteen foreign languages.

Let us work together to seek wisdom; to promote humanity and the betterment of mankind.

Yours Sincerely,

Dr. Eduard Babulak

ORCID, ScholarGPS, Scopus, Google Scholar, ResearchGate, Open Review

Professor Eduard Babulak, is accomplished international scholar, researcher, consultant, educator, professional engineer and polyglot, with more than thirty years of experience. He served as successfully published and his research was cited by scholars all over the world. He serves as Chair of the IEEE Vancouver Ethics, Professional and Conference Committee.

He was Invited Plenary & Keynote Speaker in Tokyo (2023), Oxford (2020 & 2023), University of Cambridge (2005 & 2010), MIT (2005 & 2010), Yokohama National University & University of Electro Communications in Tokyo (2009 – 2010), Kyushu Institute of Technology (2016), Japan, Shanghai Jiao Tong University (2013), Sungkyunkwan University in Korea (2012 – 2014), University of Surrey, Purdue University, Penn State, Graz University of Technology, Austria, Czech Technical University, and other prestigious academic institutions worldwide.

His academic and engineering work was recognized internationally by the Engineering Council in UK, the European Federation of Engineers and credited by the Ontario Society of Professional Engineers and APEG in British Columbia in Canada. He was awarded higher postdoctoral degree DOCENT - Doctor of Science (D.Sc.) in the Czech Republic, Ph.D., M.Sc., and High National Certificate (HNC) diplomas in the United Kingdom, as well as, the M.Sc., and B.Sc. diplomas in Electrical Engineering Slovakia.

He served as the Editor-in-Chief, Associate Editor-in-Chief, Co-Editor, and Guest-Editor. He speaks 16 languages and his biography was cited in the Cambridge Blue Book, Cambridge Index of Biographies, Stanford Who's Who, and number of issues of Who's Who in the World and America.

Publications:

Ten (10) Books published, three (3) new books in progress, four (4) Edited Books, nine (9) Book Chapters, 39 Peer Journal papers, and one (1) AI Blog Article published. Plus, two (2) new Books, two (2) Special Issues, one (1) Research Topic in progress, with two (2) Peer Review papers and one (1) book chapter in progress. I've presented one hundred and fifty six (156) Conference Papers, including Plenary, Keynote, TP, and over 100 invited Colloquial Talks worldwide.

Memberships:
Fellow of the Royal Society RSA, London, UK;
Chartered Professional IT Fellow, Mentor and Elite Group Member of British Computer Society, London, UK
Invited Panel Member for National Science Foundation Graduate Research Fellowship Program, USA
Expert Consultant for EU HORIZON2020 & CORDIS FP6 - FP7 European Commission, Brussels, Belgium
Mentor and Senior Member of the IEEE and ACM, USA
Nominated Fellow of the Institution of Engineering and Technology, London, UK and Distinguished Member of the ACM, USA
Chartered Member of the IET, London, UK
Professional Member of American Society for Engineering Education, American Mathematical Association, and Mathematical Society of America, USA

EDUCATION:

Doctor-Habilitated (D.Sc.), University of Pardubice (Czech Republic), 2008
Ph.D., Staffordshire University (United Kingdom), 2003
M.Sc., University of East London, (United Kingdom), 1991
High National Certificate, Brighton College of Technology (United Kingdom), 1990
M.Sc., Technical University of Kosice (Slovakia), 1982
High National Diploma, Electro-technical College (Slovakia), 1976

I was trained as Electrical and Electronics Engineer and continued my education in Computer Aided Engineering and Robotics, followed by Information Systems and Computer Science. My lifelong studies, training and work laid a solid foundation for my engineering approach to explore and to master the Information Communication Technologies (ICT), Computer Networks Communication & Internet Technologies, Digitalization, e-Services, Cyber Security, and the Artificial Intelligence (AI) in conjunction with the Robotics, and the Rise of the Ultra Smart Cyberspace.

I served a Consultant Expert for the EU Commission CORDIS for Research Calls on Electronic Health Record and worked with Professor Sukhan Lee on Humanoid Robotics in South Korea.

Recently I've published two books: 1) Applied AI and Humanoid Robotics for the Ultra-Smart Cyberspace; 2) Advances in Digital Transformation - Rise of Ultra-Smart Fully Automated Cyberspace.

My research is inspired by the current Rise of Ultra Smart Cyberspace driven by the AI, Ultra-Smart Computation, Fast Internet and Humanoid Robotics.

In my career, I've reviewed over 8000 research papers, presented over 300 talks worldwide, and have excellent data analysis and data preparation skills.

I am currently serving as:

1. Professor Panelist in Computing and Cyber Security for the National Science Foundation, in Alexandria, VA, USA - NSF - National Science Foundation   Note, I serve as Professor Panelist for the NSF since 2013.
2. Consultant Expert in Computer Science & Cyber Security for the European Commission (ERASMUS since 2023, EU CORDIS since 2007), registered Consultant with the HORIZON 2020, Brussels, Belgium
3. Founding Member of the Future Lab Artificial Intelligence, Germany - FutureLab Artificial Intelligence IBaI_2 (futurelab-ai-ibai-2.de)
4. Honorary Chair, Chief Mentor & Senior Advisor, Core Advisory Committee at the World Assessment Council
5. Co-Committee Member of the World Assessment Council Digital Innovation Lab
6. Head of Community, Edorer - Team Edorer – Edorer (Edorer is the e-Learning Management System)
7. Main contact at the University of Maryland University College, USA. The NGI is bridging EU-US research on Next Generation Internet - https://ngiatlantic.eu/user/600

       Field(s) of expertise / NGI Topic:

- Wireless And Wired Networks (E.G. 5G)
- AI & BlockChain, CyberSecurity & IOT,
- ICT & e-Services
- NGI focus areas for experiments:
- Privacy and trust enhancing technologies
- Discovery and identification technologies
- Strengthening internet trustworthiness with electronic identities & Open Internet architecture renovation
- Experimental Platforms (e.g. Smart cities, smart transport, Smart agriculture, etc.)
- My NGI-related portfolio: Third Millennium Ultra Smart Computational Cyberspace and Cyber Security

During my past appointment at Liberty University in US, I worked on a DoD Cyber Security Grant - all the details are kept confidential.

I am currently working on three (3) new Books, one (1) Research Topic and two (3) Special Issues, including:

1) New Book titled: "***Educational AI Humanoid Computing Devices for Cyber Nomads***", in progress.
2) New Book on: "***Sustainable Development Focusing on Green Energy and Waste Management***", in progress.
3) New Book on: "***Industry 4.0: Towards Focusing on Computer Vision, IoT, Block Chain and AR/VR***", in progress
5) Research Topic on*: **Cyber Security Prevention, Defenses Driven by AI, and Mathematical Modelling and Simulation Tools**– Frontiers in Computer Science, in progress, London, UK https://www.frontiersin.org/research-topics/64135/cyber-security-prevention-defenses-driven-by-ai-and-mathematical-modelling-and-simulation-tools
5) Special Issue on*: **Applied AI in Cyber Security** - Open Science Journals | IntechOpen
6) Special issue of Applied Sciences (ISSN 2076-3417) title: "***Smart Cyberspace and IoT Systems: Challenges and Future Trends* ''**. This special issue belongs to the section "Applied Science". In progress, with MDPI Publisher, St. Alban-Anlage 66, 4052 Basel, Switzerland Applied Sciences | Special Issue : Smart Cyberspace and IoT Systems: Challenges and Future Trends (mdpi.com)
7) Special issue of Applied Sciences (ISSN 2076-3417) title: "The Third Millennium Metamaterial and Nanophotonic". This special issue belongs to the section "Applied Physics". In progress, with the MDPI Publisher, St. Alban-Anlage 66, 4052 Basel, Switzerland https://www.mdpi.com/journal/applsci/special_issues/7RT8FA2L95

Appointments:

Panelist Expert in Computer Science & Cyber Security	National Science Foundation, DC, USA
Consultant Expert in Computer Science & Cyber Security	EU ERASMUS, CORDIS & HORIZON 2020, Brussels, Belgium
Professor Expert NGI Topic 5G	University Maryland University College, MD, USA
Founding Member	Future Lab Artificial Intelligence, Germany
Co-Founder	Edorer e-Learning Management System, USA
Professor of Computer Science	Liberty University, Lynchburg, VA, USA
Professor of Computer & Cyber Security	Zigurat, Barcelona, Catalonia, ES
Visiting Professor of Informatics	Fort Hays State University, KS, USA
Professor of Informatics	Institute of Technology and Business, Czech Republic
Professor of Computer Science	Maharishi University of Management, IA, USA
Professor of Computer Engineering	Sungkyunkwan University, South Korea
Adjunct Associate Professor of Cyber Security	University of Maryland University College, MD, USA
Professor, Director of School of Computing, IS & Math	University of South Pacific, Suva, Fiji
Visiting Professor of Informatics	University of Economics in Prague, Czech Republic
Visiting Professor of Information Technologies	Fairleigh Dickinson University, Vancouver, BC, Canada
Chair Professor of Information Systems	Girne American University, Girne, Cyprus
Visiting Professor of Telematics Engineering	Universidad Carlos III de Madrid, Leganes, Spain
Visiting Professor of Electrical Eng. & Informatics	University of Pardubice, Pardubice, Czech Republic
Visiting Professor of Computer Engineering	University of Quebec in Rimouski, QC, Canada
Senior Lecturer of Computing	Staffordshire University, Stoke-on-Trent, UK
Associate Professor of Computer Science	Azusa Pacific University, Azusa, CA, USA
Visiting Lecturer of Computer Engineering	Penn-State Erie, Erie, PA, USA
Lecturer of Mathematics	University of Ottawa, ON, Canada
PhD Candidate & Teaching Assistant in Computing Eng.	University of Ottawa, ON, Canada
PhD Candidate & Teaching Assistant in Computing Eng.	Polytechnic of Montreal, QC, Canada

Collaborators & Other Affiliations

Collaborators - total number of collaborators and co-editors (45)

Topic Editor: Cyber Security Prevention, Defenses Driven by AI, and Mathematical Modelling and Simulation Tools. Frontiers in Computer Science: Computer Security

Guest Editor: The Special Issue on "[CloudIoT: Convergence Services between the Cloud and IoT]"(ITICC)

Editorial Advisory Board: The IGI Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization

Vice Editor:

- Transactions on Machine Learning and Data Mining (ISSN: 1865-6781) – http://www.ibai-publishing.org/journal/mldm/board.php

Member of Editorial Board:
1. International Journal of Internet of Things and Cyber-Assurance
2. International Journal of Internet of Things and its Applications
3. International Journal of AI, Computer Science and Robotics Technology, IntechOpen, 2022

Editorial Advisory Board: The IGI Handbook of Research on the IoT, Cloud Computing, and Wireless Network Optimization

Reviewer: Wiley's two Books and ten Book Chapters

Current Journals Reviewer:

a. Elsevier Journal of Network and Computer Applications - https://www.sciencedirect.com/journal/journal-of-network-and-computer-applications
b. Elsevier Computer & Security - COSE | Computers & Security | Journal | ScienceDirect.com by Elsevier
c. Elsevier Computer Networks - https://www.journals.elsevier.com/computer-networks
d. Elsevier Computer Communications - https://www.journals.elsevier.com/computer-communications
e. Elsevier Computers & Electrical Engineer - https://www.journals.elsevier.com/computers-and-electrical-engineering
f. Elsevier International Journal of Medical Informatics - https://www.journals.elsevier.com/international-journal-of-medical-informatics
g. Elsevier Computers & Education: Artificial Intelligence - https://www.sciencedirect.com/journal/computers-and-education-artificial-intelligence
h. Elsevier Computers & Education - https://www.journals.elsevier.com/computers-and-education
i. Elsevier International Journal of Hydrogen Energy - https://www.journals.elsevier.com/international-journal-of-hydrogen-energy
j. IEEE Communication Letter - https://www.comsoc.org/publications/journals/ieee-comml
k. Springer Neural Computing and Applications - https://www.springer.com/journal/521
l. Springer Journal of ambient intelligence & humanized computing - https://www.springer.com/journal/12652
m. Springer Human-centric computing and information sciences - https://hcis-journal.springeropen.com/
n. MDPI International Journal Applied Nano - https://www.mdpi.com/journal/applnano
o. MDPI BioMedInformatics (ISSN 2673-7426) - BioMedInformatics | About (mdpi.com)

Earlier Journals Reviewer:

a. Advances in Intelligent Systems and Computing
b. International Journal of Continuing Engineering Education and Life-Long Learning
c. Journal of Next Generation Information Technology, Korea
d. Journal of Convergence Information Technology, Korea
e. International Journal of Digital Content Technology and its Applications, Korea
f. International Journal of Simulation: Systems, Science & Technology
g. The Scientific World Journal, International Journal of Antennas and Propagation
h. International Journal of Online Engineering (iJOE)
i. Journal of the Institute of Industrial Applications Engineers
j. ICSES Transactions on Computer Networks and Communications (ITCNC)
k. International Journal of Data Mining and Engineering Technologies
l. International Journal of Internet of Things and Cyber Assurance
m. International Journal of Internet of Things and its Applications
n. International Journal of Soft Computing Applications
o. Independent Journal of Management & Production (IJM&P)
p. International Journal of Modern Computer Science

Till now, *I did review more than 7000 papers* in Elsevier, IEE, MDPI, EDAS, EasyChair, plus other peer reviewed Journals and IEEE/ACM Conferences.

Teaching and Student Supervision

Undergraduate Advisor - total number of undergraduate BSc students (20)

MSc Supervisor - Six (20) MSc students:

Mentor & PhD Supervisor – Three (3) PhD Candidates

    a) On September 29th, 2013, I was appointed by Professor Pavel Ripka, Dean of Faculty of Electrical Engineering from Czech Technical University in Prague to serve as PhD Thesis Advisor-Expert to Mr. Jakub Dolezal, MSc, PhD Candidate – ***The Unified Architecture for Energy-and Network-Constrained Sensor Networks***

    b) On September 23rd, 2013, I was appointed by Professor Simeon Karamazov, Dean of Faculty of Electrical Engineering and Informatics, at the University of Pardubice to serve as PhD Thesis Co-Supervisor to two PhD students:

        1. Mr. Thomas Shejbal - ***The air traffic control and the radar function at Air Traffic Control (ATC)***

        2. Mr. Zalabsky - ***FMCW radar for helicopter anti-collision system***

        Note, these were military projects and PhD Thesis related material is confidential.

Mentor and PhD Thesis Examiner:

a) **Mentor** to Dr. Gurjot Singh Gaba, Postdoctoral Researcher in Cyber Security Linköping, Ostergotland County, Sweden - https://orcid.org/0000-0002-0732-1478 & https://liu.se/en/employee/gursi17

b) PhD Thesis Examiner to Dr. RAJASEKARAN M., Thesis Title: "***ADAPTIVE SECURE ROUTING ALGORITHMS USING INTELLIGENT APPROACHES IN WIRELESS SENSOR NETWORKS"***

c) PhD Thesis Examination to   Thesis Title: "DESIGN AND DEVELOPMENT OF AN INNOVATIVE ADVERSARIAL NETWORK OUTLIER PREDICTION AND SEQUENTIAL DATA ANALYSIS USING HYBRID OPTIMIZED NEURAL NETWORK"

d) **PhD Thesis Examiner** to Dr. Ambika D R, Thesis Title: '***PERIOCULAR BIOMETRIC AUTHENTICATION SYSTEM'***Department of Information science Engineering, BMS College of Engineering, Bengaluru, India https://bmsce.ac.in/home/facultyProfile/290/AMBIKA-K

e) **PhD Thesis Examiner** to Rajasekaran, M, PhD Candidate, Thesis Title: Adaptive Secure Routing Algorithms Using Intelligent Approaches in Wireless Sensor Networks, Department of Computer Science and Engineering, Faculty of Engineering and Technology, Annamalai University, Annamalainagar – 608 002, Tamilnadu, India

f) **PhD Thesis Examiner** to Chigurupati Ravi Swaroop, PhD Candidate, Thesis Title: Design and Development of an Innovative Adversarial Network Outlier Prediction and Sequential Data Analysis Using Hybrid Optimized Neural Network a Synopsis, Department of Information Technology, Faculty of Engineering and Technology, Annamalai University, Annamalainagar – 608 002, Tamilnadu, India

g) **PhD Thesis Examiner** in progress to Dr Sandeep Kumar, Assistant Professor Electronics & Communication Engineering Shri Vaishnav Vidyapeeth Vishwavidyalaya, Indore - https://svvv.irins.org/profile/178978

Postdoctoral Sponsor(s) - (1)

  Dr. Ruchi Sachan, Sungkyunkwan University, Korea, & three other Candidates expressed their interest in working with me

Publications:

Ten (10) Books published, three (3) new book in progress, four (4) Edited Books, nine (9) Book Chapters, 39 Peer Journal papers, and one (1) AI Blog Article published. Plus, two (2) new Books, two (2) Special Issues, one (1) Research Topic in progress, with two (2) Peer Review papers and one (1) book chapter in progress. I've presented one hundred and fifty six (156) Conference Papers, including Plenary, Keynote, TP, and over 100 invited Colloquial Talks worldwide.

Ten Books published, plus three in progress:

1) Eduard Babulak: "*Advances in Digital Transformation - Rise of Ultra-Smart Fully Automated Cyberspace*", published on July 17th 2024, IntechOpen, London, UK - https://www.intechopen.com/books/1002603

2) Eduard Babulak: "*Applied AI and Humanoid Robotics for the Ultra-Smart Cyberspace*", published, June 4th, 2024, IGI Global publisher - https://www.igi-global.com/book/applied-humanoid-robotics-ultra-smart/332870

3) S. N. Kumar, Sherin Zafar, Eduard Babulak, M. Afshar Alam, Farheen Siddiqui, "Artificial Intelligence in Telemedicine: Processing of Biosignals and Medical images", 529949- IMVRA Series, 1st edition, published in August 2023, CRC Press, DOI: 10.1201/9781003307778, Pages: 282, eBook ISBN9781003307778 (https://www.taylorfrancis.com/books/edit/10.1201/9781003307778/artificial-intelligence-telemedicine-kumar-sherin-zafar-eduard-babulak-afshar-alam-farheen-siddiqui)

4) Eduard Babulak, "*AI Tools for Protecting and Preventing Sophisticated Cyber Attacks"*, IGI Global, published in July 2023, Pages: 233, DOI: 10.4018/978-1-6684-7110-4, ISBN13: 9781668471104, ISBN10:

1668471108, EISBN13: 9781668471128 https://www.igi-global.com/book/tools-protecting-preventing-sophisticated-cyber/306192

5) Eduard Babulak, "*Chatbots - The AI-driven Customer Front-line Services*", IntechOpen, DOI 10.5772/intechopen.104076, published September 13th, 2023 https://www.intechopen.com/books/12069

6) Eduard Babulak, '*Malware - Detection and Defense*'', published, February 15th, 2023, IntechOpen, DOI10.5772/intechopen.105262, Malware - Detection and Defense | IntechOpen

7) Eduard Babulak, "*New Updates in E-Learning*", ISBN: 978-1-80355-418-1, Published May 18th, 2022, DOI10.5772/intechopen.97987, published on May 18th, 2022, ISBN 978-1-80355-418-1, PRINT ISBN 978-1-80355-417-4, Pages: 190, IntechOpen, https://www.intechopen.com/books/11196

8) Lewoc, J.B., Babulak, E., Al-Dabass, D, "*ICT Performance and Robustness Investigations: Some Ethical and Human Behavior Aspects*", ISBN: 978-1-53614-916-6, Pages: 300, Nova Publisher 2019, https://novapublishers.com/shop/ict-performance-and-robustness-investigations-some-ethical-and-human-behavior-aspects/

9) Eduard Babulak: "*Methodology to Assess the User's Perception of Quality of Service*", Lambert Academic Publishing., pages 328, ISBN: 978-3-659-25625-7, 28th April 2015, Saarbrücken, Germany https://www.morebooks.de/store/gb/book/methodology-to-assess-the-user-s-perception-of-quality-of-service/isbn/978-3-659-25625-7

10) Eduard Babulak, "*Quality of Service in Information Technology*", Lambert Academic Publishing, pages 132, ISBN: 978-3-659-68902-4, 1st April, 2015, Saarbrücken, Germany https://www.morebooks.de/store/gb/book/quality-of-service-in-information-technology/isbn/978-3-659-68902-4

11) New Book titled: "*Educational AI Humanoid Computing Devices for Cyber Nomads*", in progress - https://www.igi-global.com/publish/call-for-papers/call-details/7933

12) New Book titled: "*Sustainable Development Focusing on Green Energy and Waste Management*", in progress.

13) New Book titled: "*Industry 4.0: Towards Focusing on Computer Vision, IoT, Block Chain and AR/VR*", in progress.

Four Edited Books, plus four (4) in progress:

1) *Fifth International Conferecne on Computational Intelligence, Modelling and Simulations (CIMSim2013),* pages 411, DOI:10.1109/CIMSim.2013.78, ISBN 978-0-7695-5155-5, ISSN 2166-8531, Seoul, South Korea, 24-25 September 2013, IEEE Computer Society http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?reload=true&punumber=6656125

2) *The International Journal of systém, Science & Technology: Special Issue on Performance Engineering*, Volume 10, Number 1, pages 59, DOI:10.13140/RG.2.1.2635.6249, ISSN 1473-8031 Print, ISSN 1473-804x Online, January 2009, UK Simulation Society http://ijssst.info/Vol-10/No-1/cover-10-1.htm

3) *The International Journal of system, Science & Technology: Special Issue on Internet and Web Technologies*, Volume 10, Number 2, pages 78, DOI:10.13140/RG.2.1.3585.8963, ISSN 1473-8031 Print, ISSN 1473-804x Online, February 2009, UK Simulation Society http://ijssst.info/Vol-10/No-2/cover-10-2.htm

4) *The International Journal of Continuing Engineering Education and Life-Long Learning (IJCEELL): Special Issue on Learning as a Ubiquitous and Continuous Communication Attitude,* Special Issue 4 Volume 18, 2008, pages 129, DOI:10.1504/IJCEELL.2008.019639 http://www.inderscience.com/browse/index.php?journalID=6&year=2008&vol=18&issue=4

5) Research Topic on*: Cyber Security Prevention, Defenses Driven by AI, and Mathematical Modelling and Simulation Tools*– Frontiers in Computer Science, in progress, London, UK https://www.frontiersin.org/research-topics/64135/cyber-security-prevention-defenses-driven-by-ai-and-mathematical-modelling-and-simulation-tools

6) Special issue of Applied Sciences (ISSN 2076-3417) title: "*Smart Cyberspace and IoT Systems: Challenges and Future Trends* ". This special issue belongs to the section "Applied Science". In progress, with MDPI Publisher, St. Alban-Anlage 66, 4052 Basel, Switzerland Applied Sciences | Special Issue : Smart Cyberspace and IoT Systems: Challenges and Future Trends (mdpi.com)

7) Special Issue on*: Applied AI in Cyber Security* - Open Science Journals | IntechOpen

8) A special issue of Applied Sciences (ISSN 2076-3417) title: "*The Third Millennium Metamaterial and Nanophotonic*", this special issue belongs to the section "*Applied Physics*", *in progress MDPI Publisher,* St. Alban-Anlage 66, 4052 Basel, Switzerland https://www.mdpi.com/journal/applsci/special_issues/7RT8FA2L95

Academic Editor: Research Article

A Novel Enhanced Positioning Trilateration Algorithm Implemented for Medical Implant In-Body Localization, Peter Brida and Juraj Machaj, Department of Telecommunications and Multimedia, University of Zilina, FEE, Univerzitna 1, 010 08 Zilina, Slovakia, Received 31 July 2012; Accepted 29 March 2013, International Journal of Antennas and Propagation, Volume 2013 (2013), Article ID 819695, 10 pages, http://dx.doi.org/10.1155/2013/819695

Nine (9) Book Chapters:

1) Applications of 6G in Health Care Sector and the Importance of Network Security and Data Privacy- Encryption of Medical Images using SHA 256 Blockchain Algorithm, accepted in *Network Security and Data Privacy in 6G Environment: Impacts and Challenges,* Taylor & Francis Group, LLC @2024.

2) Chapter 12: A Generic Method for the Reliable Calculation of Large-Scale Fading in an Obstacle-Dense Propagation Environment, Theofilos Chrysikos, Stavros Kotsopoulos, Eduard Babulak. Publisher: IGI Global, Pages 256-277, DOI: 10.4018/978-1-4666-2208-1.ch012, ISBN: 9781466622081 Source: Integrated Models for Information Communication Systems and Networks: Design and Development (2013)

3) Chapter 103: From E to U: Towards an Innovative Digital Era, Spyros P Angelopoulos, Fotis C. Kitsios, Eduard Babulak., Publisher: IGI Global, Pages 1669-1687, DOI: 10.4018/978-1-60566-960-1.ch103, ISBN: 978-3-642-32700-1, 978-3-642-32701-8, Source: Ubiquitous and Pervasive Computing: Concepts, Methodologies, Tools, and Applications (2010)

4) Chapter 18: Ubiquitous Healthcare, Theodor Panagiotakopoulos, Maria-Anna Fengou, Dimitrios Lymberopoulos, Eduard Babulak. Publisher: IGI Global, Pages 254-280, DOI: 10.4018/978-1-60566-768-3.ch018 Source: Biocomputation and Biomedical Informatics: Case Studies and Applications (2010)

5) Chapter 19: From E to U: Towards an Innovative Digital Era Spyros P. Angelopoulos, Fotis C. Kitsios, Eduard Babulak. Publisher: IGI Global, Pages 427-444, ISBN: 9781605661087, DOI: 10.4018/978-1-60566-108-7.ch19 Source: Handbook of Research on Heterogeneous Next Generation Networking: Innovations and Platforms (2009)

6) Chapter 23: Channel Management Schemes to Support Services in Ubiquitous Communications Infrastructures for Future Transportation Technologies, Eduard Babulak, Konstantinos G. Ioannou, Athanasios Ioannou, Publisher: IGI Global, Pages 510-520, DOI: 10.4018/978-1-60566-108-7.ch23, ISBN: 9781605661087 Source: Handbook of Research on Heterogeneous Next Generation Networking: Innovations and Platforms (2009)

7) Babulak Eduard, Wang Ming**: "***Discrete Event Simulation: State of the Art***"**, Pages 1-9, DOI: 10.5772/56676, ISBN 978-953-307-115-2, published August 18th 2010, by IntechOpen. Source: Discrete Event Simulations, Edited by Aitor Goti, Jan 2016 cumulative downloads by countries (Total: 6660 = viewed 3042, downloaded 3618)

8) Józef Bohdan Lewoc, Eduard Babulak, Swieta Cukier, Erich Leitgeb and Mieczysław Rozent**: "***ICT Book Aspect Case Study***"**, Pages 1-15, DOI: 10.5772/intechopen.97051, published April 14th 2021, by IntechOpen,

9) Wagdy, Anis Aziz, Babulak Eduard, David Al-Dabass: "*Network Function Virtualization over Cloud-Cloud Computing as Business Continuity Solution*", IntechOpen Published: July 14th 2021 DOI: 10.5772/intechopen.97369

39 Published Articles in Peer Reviewed International Journal publications, including 1 AI Blog Article, plus two Journal Papers in progress:

New) Journal Paper in progress: Gagandeep Singh Bainsa, Eduard Babulak, "**A Study of IoT Application Layer Protocols**".
New) Journal Paper submitted - Special issue of Applied Sciences (ISSN 2076-3417) title: "**Smart Cyberspace and IoT Systems: Challenges and Future Trends***".*

39) Kumar, Eduard Babulak: "**Medical Image Watermarking Employing Discrete Wavelet Transform–HD –SVD Technique**", accepted for publication in the Springer (Innovations in Sustainable Technologies and Computing) ISTC series (Electronic ISSN 2731-8818, Print ISSN 2731-880X). https://www.springer.com/series/17103

38) Dharmender Salian, Eduard Babulak, "**Review of Digitalization using Artificial Intelligence Maturity Models: The Case of American Aerospace SMEs**", the 2022 International Conference on Big Data Economy and Digital Management (BDEDM 2024), January 12-14, 2024 in Ningbo, China, accepted for publication, http://www.bdedm.net/

37) Dharmender Salian, Eduard Babulak, "Digitalization of American Aerospace SMEs", BDEDM, EAI, published 2024-06-18, DOI: 10.4108/eai.12-1-2024.2347169 https://eudl.eu/doi/10.4108/eai.12-1-2024.2347169

36) Noah M. Kenney, Eduard Babulak, "*Privacy Impact Assessment: ChatGPT 4.0*", doi:10.5281/zenodo.10425500, 2023 Zenodo, https://zenodo.org/records/10425500/files/Publication_Version_ChatGPT_4.0_PIA.pdf

35) Eduard Babulak, Blog Artic**le, "The Third Millennium AI-Driven Humanoid Robot",** SwissCognitive, World-Leading AI network, Switzerland - The Third Millennium AI-Driven Humanoid Robots-SwissCognitive

34) Eduard Babulak, "**Editorial**", *Transactions on Machine Learning and Data Mining,* Volume 14 - Number 2 - October 2021, Pages 45-46, ibai-publishing, ISSN 1865-6781, Online-ISSN 2509-9337, ISBN 978-3-942952-89-7

33) Jozef Bohdan Lewoc, Eduard Babulak, Erich Leitgeb, Nicolae Bulz, Mieczysław Rozent: "**The Good ICT Design and Implementation Practices: Metallurgical and Radio-Astronomic Case Studies**", *Software Engineering 2021*; 9(3): 59-64, http://www.sciencepublishinggroup.com/j/se doi: 10.11648/j.se.20210903.12 ISSN: 2376-8029 (Print); ISSN: 2376-8037 (Online).

32) Feng Wang, Eduard Babulak, Yongning Tang: "**On Detecting and Identifying Faulty IoT Devices and Outages**", *Bulletin of Electrical Engineering and Informatics,* Vol 10, N 6, December 2021, https://beei.org/index.php/EEI/article/view/2698

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143) Eduard Babulak, Technical Committee, 2024 4th International Symposium on Intelligent Robotics and Systems (ISoIRS 2024) will take place during May 24-26, 2024 in Changsha, China - https://www.isoirs.org/com.html
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134) Eduard Babulak, Committee, 2023 International Joint Conference on Computer Vision and Pattern Recognition (CCVPR 2023), organized by Zhejiang University of Technology, will take place in the beautiful city of Oxford, United Kingdom, from September 15th to 17th, 2023 - https://www.ccvpr.org/
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123) Eduard Babulak, Conference Secretary, International Conference on Computer, Cybernetics and Education (ICCCE-2023)" on 23rd & 24th February 2023 in Jakarta, Indonesia - [Advisory Committee (iccce.co.in)](#)

122) Eduard Babulak, Invited Plenary Speaker, 2nd International Meeting on Applied Science, Engineering and Technology Assessment (ASETMEET2023) August 14-16, 2023, Vancouver, BC, Canada

121) Eduard Babulak, Plenary Speaker, Global Expert Conference on Robotics and Artificial Intelligence 2023 (GECRAI 2023), Osaka, Japan, 24-26 July, 2023.

120) Eduard Babulak, Plenary Speaker, 6th Global Webinar on Applied Science, Engineering and Technology February 23-24, 2023

119) Eduard Babulak, Keynote Speaker, 2nd Computer Science and Information Technology Virtual, Feb 24-25, 2023.

118) Eduard Babulak, Distinguished Speaker, Smart Devices Symposium 2023 (SDS2023), Osaka, Japan during May 17-19, 2023.

117) Eduard Babulak, Keynote Speaker, the 2nd Global Summit and Expo on Sustainable and Renewable Energy (GSESRE2023) will be held in London, UK during August 28-30, 2023

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115) Eduard Babulak, Renowned Speaker, International Congress on Advanced Materials Sciences and Engineering 2023, (AMSE-2023), March 17-21, Vienna, Austria.

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103) Eduard Babulak, Plenary Speaker, Global Conference on Manufacture and Industrial Engineering August 11-13, 2022, Berlin, Germany

102) Eduard Babulak, Keynote Speaker & Organizing Committee Member, 2nd Global Meet on Optoelectronics & Quantum Physics Optoelectronics-2022, Miami, USA on September 19-20, 2022

101) Eduard Babulak, Keynote Speaker, The 2022 3rd International Conference on Information Technology, Advanced Mechanical and Electrical Engineering (ICITAMEE), Universitas Muhammadiyah Yogyakarta, Indonesia, 20-21 July 2022

100) Eduard Babulak, Keynote Speaker, the 2nd Global Experts Meet on Applied Science, Engineering and Technology, Paris, France,| 14 – 16 October 2022

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69) Eduard Babulak: Cyber Security & Future Networks Operations, Keynote Address, The eieCon2011 - First EIE International Conference on Computing, Energy, Networking & Telecommunication, September 14th, 2011, Ota, Nigeria: https://sites.google.com/site/cueiecon/key-note-speakers

68) Eduard Babulak: CERT, ICT and Cyber Security, Keynote Address, CICSyn 2011, The International Conference on Modelling and Simulation, July 26-28, 2011, Bali, Indonesia: (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=6005193)

67) Eduard Babulak: CERT, ICT and Cyber Security, Keynote Address, AMS2011, 23 May 2011, Kuala Lumpur, Malaysia (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5960723)

66) Eduard Babulak: Cyberspace Security: Importance of CERTs (Computer Emergency Response Teams) Keynote Address, The UKSim - AMSS 13th International Conference on Modelling and Simulation, March 30th 2011, Cambridge University, UK: (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5752641)

2010)
65) Eduard Babulak: Future Cyberspace and ICT Technologies, Invited Panelist at Jules Verne's corner: "make possible the impossible" event during the ITU Kaleidoscope academic conference in Pune, India, 13-15 Dec 2010. (http://www.itu.int/ITU-T/uni/kaleidoscope/2010/julesverne.html)

64) Eduard Babulak: Next Generation of ICT Business Applications, Invited Talk: The 3rd International ICST Conference on MOBILe Wireless, MiddleWare, Operating Systems, and Applications MOBILWARE2010, Chicago, USA, June 30 – July 1, 2010 (http://www.mobilware.org/2010/techprog.shtml)

63) Eduard Babulak: Future Transportation and Next Generation ICT, Keynote Address, 10th International Conference on Electromobility in Road Transport in 21st Century, Faculty of Transport, Czech Technical University in Prague, Apr 7th, 2010

62) Eduard Babulak: Global Cyberspace, Keynote Address, AMS2010: 4th Asia International Conference on Analytical Modelling & Computer Simulation, Kota Kinabalu, Borneo, 26-28 May 2010 (http://uksim.info/ams2010/ams2010.htm#Sched)

61) Eduard Babulak: Japan Pacific ICT Centre & ICT for Human Development & Security at USP Invited Paper, LINC 2010 - The Fifth Conference of Learning International Networks Consortium, May 23rd- 26th, 2010, MIT, Cambridge, Massachusetts, USA (http://linc.mit.edu/linc2010/proceedings.html & http://linc.mit.edu/linc2010/parallel.html)

60) Eduard Babulak: Future Global Office, Invited Paper: UKSim 12th International Conference on Computer Modelling and Simulation: 08(H) Human Factors, Social & Economic Sciences 24th-26th March 2010, Cambridge University (Emmanuel College), England (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5752641)

59) Eduard Babulak: The ICT and Contemporary Pacific Market Economies, Opportunities and Challenges, Keynote Address: Symposium on Consumerism and Market Economies at Fiji National University, SUVA, March 31st, 2010

58) Eduard Babulak: WINDS & Japan Pacific ICT Centre, Invited Panelist: KIZUNA WINDS International Symposium, Tokyo, Japan, February 4th 2010 (http://global.jaxa.jp/press/2010/01/20100107_kizuna_e.pdf & http://www.jaxa.jp/press/2010/01/20100107_kizuna.pdf & http://global.jaxa.jp/press/2010/01/20100107_kizuna_e.html)

57) Eduard Babulak: Future Cyberspace, Keynote Address, ISMS2010: 1st International Conference on Intelligent Systems, Modelling and Simulation, 27th January 2009, Liverpool, UK (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5752641)

56) Eduard Babulak: 21st Century Cyberspace, Keynote Paper, SAMI 2010: 8th International Symposium on Applied Machine Intelligence and Informatics, 28th January 2010 Herlany, Slovakia www.sami.tuke.sk/

2009)

55) Eduard Babulak: Japan Pacific ICT Centre and ICT Future Trends, Invited Talk, Yokohama National University, December 15th 2009, Yokohama, Japan (http://www.ynu.ac.jp/english/)

54) Eduard Babulak: Japan Pacific ICT Centre and ICT Future Trends, Invited Talk, University of Electro-communication, December 16th 2009, Tokyo, Japan (http://www.uec.ac.jp/eng/)

53) Eduard Babulak: Japan Pacific ICT Centre, Keynote Address, 1st PacCERT Stakeholder Meeting, held on 25th November 2009 in Nadi, Fiji (http://unpan1.un.org/intradoc/groups/public/documents/UN-DPADM/UNPAN042345.pdf)

52) Eduard Babulak: Teleworking and Next Generation Cyberspace, Invited Paper: CSSIM2009/EUROSIM: International Conference on Computational Intelligence Modeling and Simulations, Brno, Czech Republic, 7 – 9 September 2009, (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5349967)

51) Eduard Babulak: Globalization and Future Education, Keynote Paper: The 7th International Conference on Emerging E-Learning Technologies and Applications, November 19th– 20th 2009, Stara Lesna, The High Tatras Slovakia (http://www.iceta.sk/)

50) Eduard Babulak: The Next Generation of IT & Education, Third International Conference on Internet Technologies and Applications (ITA 09) 8th-11th September 2009, Wrexham, North Wales, UK.

49) Eduard Babulak: Next Generation of Transportation and Information Technologies
Invited Paper: EATIS 2009 - Euro American Conference on Telematics and Information Systems, Prague, Czech Republic on 3 - 5 June, 2009 (http://www.telematika.cz/eatis2009/)

48) Eduard Babulak: Future Cyberspace & 3D Telepresence Collaborative Environments, Keynote Address, AMS 2009 – Asian Modelling Symposium 2009, Bandung 25-26, 2009 (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5071934)

47) Eduard Babulak: IT AGE & Society, Invited Talk, University of Economics in Prague, Czech Republic, May, 2009.

46) Eduard Babulak: IT AGE & Society, IEEE Invited Talk, Simon Fraser University, Vancouver, April 15, 2009 (http://www2.ensc.sfu.ca/~ljilja/cnl/guests/babulak.html & http://vancouver.ieee.ca/CASS/Events.htm)

45) Eduard Babulak: Next Generation of Applied Internet Technologies in E-Manufacturing, Invited Talk, The 11th International Conference on Computer Systems Modelling and Simulation (UKSIM 2009), March 25 – 27th, 2009, Emmanuel College, Cambridge, England (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=5358680)

44) Eduard Babulak: IT AGE and Future Trends, Keynote Address, The Fourth International Conference on Intelligent Computing and Information Systems, Cairo, Egypt, March 21, 2009 (http://net2.shams.edu.eg/icicis/2015/)

2008)

43) Eduard Babulak: Information Technologies in Transportation, The International Conference on Computer Blended Learning ICML, 24th -26th September 2008, Villach, Austria (http://www.icl-conference.org/)

42) Eduard Babulak: Future Transport and Internet Technologies, The International Workshop on Wireless and Mobile Security (WMS'08) collocated with the Second IEEE Conference on NEXT GENERATION MOBILE APPLICATIONS, SERVICE AND TECHNOLOGIES (NGMAST 2008), 17-18th September, 2008, Cardiff, Wales, UK (http://www.comp.glam.ac.uk/NGMAST08/programme/WMS08programme.htm)

41) Eduard Babulak: IT AGE and Future Education, Invited Talk, The 6th International Conference on Emerging E-Learning Technologies and Applications, September 11th – 13th 2008, Stara Lesna, The High Tatras Slovakia (http://www.iceta.sk/)

40) Eduard Babulak: Trends in Discrete Simulations and IT AGE and Globalization, Keynote Address, The European Modeling Symposium 2008 EMS2008, Liverpool, 8 – 10 September 2008, UK (http://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=4625227)

39) Eduard Babulak, Ming Wang: From Available-to-Promise (ATP) to Keep-the-Promise (KTP): An Industrial Case of the Business Intelligent System, Poster Session: The 5th International Conference on Remote Engineering and Virtual Instrumentation, held on June 22-23 2008 in Dusseldorf, Germany

38) Eduard Babulak, Ming Wang: Trends in Discrete Event Simulation, Session 02 at the 5th International Conference on Remote Engineering and Virtual Instrumentation, held on June 22-23 2008 in Dusseldorf, Germany

37) Eduard Babulak: Ubiquitous Internet and Future Workplace, Invited Talk, The International Conference on E-Learning in the Workplace 2008 (ICELW 2008), June 12-13, 2008 at Columbia University in New York, USA

36) Eduard Babulak: Quality of Service in Computer Networks, Invited Talk, Mateja Bela University, Banska Bystrica, Slovakia, 26th April, 2008.

35) Eduard Babulak: IT AGE, Invited Talk, University of Pardubice, Czech Republic, 22nd April, 2008.

34) Eduard Babulak: "Importance of Management Information Systems in Business", Invited Talk, Fairleigh Dickinson University – Vancouver, February 2008.

33) Eduard Babulak: IT AGE and Globalization, Invited Talk, Vancouver IEEE section in British Columbia, Canada, 22nd January, 2008.

2007)
32) Eduard Babulak: IT AGE, Invited Talk, The IEEE Vancouver section, FDU-Vancouver, BC, Canada, December 22nd 2007.
31) Eduard Babulak: Information Technology for the 21st Century, Keynote Address, The 8th International Scientific Conference „Nové smery vo výrobných technológiách 2006", Faculty of Manufacturing Technologies Technical University of Kosice with a seat in Prešov, 2006, Prešov, Slovak Republic, pp. 109 – 113, ISBN 80-8073-554-09.
30) Eduard Babulak: Future Internet and New Trends in Education, Keynote Address, the 3 Day International Conference on "Integration of Information Technology in Science Education" held at Eastern Mediterranean University, January 16 – 18, 2007, Gazimağusa, Turkish Republic of Northern Cyprus.

2006)
29) Eduard Babulak: Ubiquitous Internet and Future Education, Graz Technical University, Guest Lecture on E-Learning, Institut für Breitbandkommunikation - Department of Wideband Communications' Research Seminar, Graz Technical University, Graz, Austria, December 5th 2006
28) Eduard Babulak: Ubiquitous Internet and Future Education, Keynote Address, The 2nd International Conference on New Trends in Education NTEC 2006, the American University Girne - Cyprus, PO Box 5, Karmi Kampus, Karaoglanoglu, Kyrenia/North Cyprus via Mersin /10, Turkey, November 10th 2006.
27) Eduard Babulak: Ubiquitous Communications in Support of Automation, Special Talk, Texas A&M University-Texarkana in Texarkana, Texas USA, November 6th 2006
26) Eduard Babulak: Ubiquitous Internet and House Automations, Plenary Talk, the IEEE International Conferecne on Telecommunications Systems, Modeling and Analysis 2006 ICTSM2006, October 4-8. Reading, Pennsylvania, USA
25) Eduard Babulak: Pervasive and Future Computing Domain, Plenary Talk, the International Conference on Signals and Electronics Systems (ICSES 2006), 17-20 September 2006, Lodz, Polland
24) Eduard Babulak: Ubiquitous Communications Infrastructures for Future Transport Technologies, 4th International Scientific Conference on Transport and Communications, section 15, September 14 – 15th 2006 in Pardubice, Czech Republic
23) Eduard Babulak: Ubiquitous Communications Technologies in Support of Automation, IEEE/IEE International Conference Poster Sessions Presentations, Fifth International Symposium on Communications Systems, Networks and Digital Signal Processing (CSNDSP 2006), 19-21 July 2006, ISBN 960-89282-0-6, pages 809-812, Patras University Conference Centre, Patras, Greece
22) Eduard Babulak: Automated Smart House via Ubiquitous Computing, International Conference on Interactive Mobile and Computer Aided Learning (ICML 2006), held on April 19-21, 2006 in Amman, Jordan

2005)
21) Eduard Babulak: Next Generation of Internet and Telecommunications Technologies for Fully-Automated Information Cyberspace, Keynote Address, The 7th International Scientific Conference on New Trends in Technology Systems Operation, 20th – 21st October, 2005 in Presov, Slovakia
20) Eduard Babulak: Methodology to Assess the Quality of Service Provision in Telecommunications and Data Networks Infrastructures, International Wireless Summit 2005, Aalborg on September 17-22nd 2005
19) Eduard Babulak: Automated Environment via Information Cyberspace, Special Talk, the International Conference on Applied Computing IADIS 2005, Algarve, Portugal, Feb 22-25, 2005
18) Eduard Babulak: „Quality of Service Provision for the Modern Telecommunications Infrastructures in Transport and Industrial Logistics Solutions", Keynote Addres, The International Conference on Logistics LOGI 2005, February 15-16, 2005, Pardubice, Czech Republic

2004)
17) Eduard Babulak: Quality of Service and Future Directions in Ubiquitous Computing, Keynote Address in French language (Qualité du Service et Directions Future en Informatique Omniprésente), during the Colloque sur les télécommunications at University of Quebec Conference on 24 November 2004 in Rimouski, Canada.
16) Eduard Babulak: E-Manufacturing for 21st Century, State-of-the-Art and Future Directions, Keynote Address, the First International Conference on Management of Manufacturing Systems presentation, Presov, Slovakia, November 18th – 19th, 2004
15) Eduard Babulak: Traffic Bottleneck Analysis in Telecommunications Infrastructures, IEEE Telecommunications Symposium SympoTIC'04, pages 154 – 157, October 24-26, 2004, Bratislava, Slovakia
14) Eduard Babulak: Quality of Service Provision Assessment in the Healthcare Information and Telecommunications Infrastructures, NEXWAY Workshop on the Prospects of Personal Wireless Communications (PP WC-04) organized by the Network of Excellence NEXWay and the Warsaw University of Technology and National Institute of Telecommunications, June 18th 2004 in Warsaw, Poland
13) Eduard Babulak: Quality of Service Provision Assessment in the Healthcare Information and Telecommunications Infrastructures, The EFMI Symposium on Electronic Health Record, Healthcare Registers and Telemedicine, the International Meeting EuroMISE 2004 in April 12-15, 2004, Prague, Czech Republic

2003)

12) Eduard Babulak: User's Perception of Quality of Service Provision, Invited Talk, The ICIT'03 International Conference on Industrial Technology, Maribor, Slovenia, on December 10-12, 2003

11) Eduard Babulak: Methodology to Assess the Quality of Service Provision in Data & Telecommunications Infrastructures, Invited Talk, Department of Telecommunications Engineering's Research Seminar, November 19th, 2003, Czech Technical University in Prague, Czech Republic

10) Eduard Babulak: Quality of Service Provision Assessment for Campus Networks, The IEEE Telecommunications Symposium SympoTIC'2003 Bratislava at the Slovak Technical University, pages 75 – 78, October 26-28, 2003

9) Eduard Babulak: University Network Quality of Service Provision Assessment Strategies, 10th International Workshop on Systems, Signals, and Image Processing IWSSIP'03, September 10-11, 2003, Czech Technical University in Prague, Czech Republic

8) Eduard Babulak: Methodology to Assess the User's Perception of Quality of Service, Invited Talk, The Department of Telecommunications Engineering's Research Seminar at Czech Technical University in Prague, Czech Republic, March 18th, 2003

2002)

7) Eduard Babulak, Rolando A Carrasco: The IT Network Quality of Service Provision Analysis in light of the User's Perceptions and Expectations, IEEE/IEE Communications Systems, Networks and Digital Processing Symposium, 15th -17th July 2002, Stafford, UK.

2001)

6) Eduard Babulak: Quality of Service Provision for Distributed Multimedia via Trading Agent, in track 9: Software Technology in mini-track on the Quality of Service in Mobile Computing, Chaired by Dr. Jochen H. Schiller at the 34th Annual Hawaii International Conference on System Sciences (HICSS-34), January 3 - 6 2001, Maui, Hawaii

2000)

5) Eduard Babulak: Trader's Quality of Service Specifications and Effects on System Performance for Video-on-Demand, 2000 IEEE International Conference on Multimedia and Expo (ICME 2000) Volume 2, 30th July – 2nd Aug. 2000, pages 837 - 842, QoS (Traffic Management/Protocol) I, 30 July – 2 August 2000 NY, USA

4) Eduard Babulak: Session Mobility and Quality of Service Specifications for Distributed Multimedia Applications, in Session 5B on Performance Optimisation at the Convergence of Telecommunications, Networking and Broadcasting (PGNet), in Liverpool, UK, 19-20 June 2000

3) Eduard Babulak: CORBA QoS Control Stream Architecture, First IEEE Electro/Information Technology Conference, paper code EIT 519, on Friday, June 9, 2000 in Chicago, USA

2) Eduard Babulak: Session Mobility and Quality of Service Specifications for Distributed Multimedia Applications, International Working Conference and Industrial Expo on New Advances and Emerging Trends in Next Generation Enterprises (AIWoRC'00), in Business Theme Track 12 on: OTHER NG TECHNOLOGY FRONTIERS, April 27-29, 2000 Buffalo, NY, USA

1997)

1) Eduard Babulak: Mapping of CORBA to TINA Architecture, Poster Sessions Presentations: IEEE Conference McMaster University Conference for PhD Students 1997, September 1997, Hamilton, Ontario, Canada.

Technical Project Reports:

1) Project Director: Director of Japan Pacific ICT Centre: The Centre will benefit all USP community and contribute towards the USP positive sustainable development for all regional member states for many years to come. The Japan Pacific ICT Centre is a new concept/platform that will embrace and contribute to all USP community, while becoming the Pacific Centre of Excellence for Academia, Research-Graduate-Postgraduate Studies and Sustainable Development and Economic Growth, November 2009, USP, Suva, Fiji.

2) University of the South Pacific Network (USPNet) Report, Advice the Vice-Chancellor (VC) on the current state of the USPNet – Satellite Gilat -VSAT System, its current QoS Provision and possible performance improvements. October 15th – 29th 2009, USP, Suva, Fiji;

3) Report on Governance of the Head of School of Computing, Information and Mathematical Sciences (SCIMS): Create a Centre of Excellence for Research, Innovation, Development with teaching and academic rigor, high ethical and professional standards. To make sure that we accomplish all these challenges successfully, in the process of transition it is important to make sure that the school finances and budget are in proper order and made public to all USP community.

4) Report on Capacity Building and ICT Policy, Regulatory and Legislative Framework Support for PICS: Proposal to get ITU sponsorship for the ICT project. The project aims to set up a framework on how PICS can create ICT-related policies and legislations. USP aim, as an educational institution, is to create Post Graduate programs on ICT Policy, Regulations and Legislations, to be developed in the new USP ICT Center. Establishing the Computer Security Unit at USP ICT Center called the **PACCERT**. The unit modeled after AUSTCERT, the Australian Government arm against cyber-attacks. AUSTCERT is a computer emergency response team, providing a coordination role for handling computer security incidents between affected parties for the benefit of Australian networks, and help to detect, interpret and respond to computer network attacks.