

OPENING CEREMONY

Prof. Ratko Magjarević

President of the International Federation for Medical and Biological Engineering (IFMBE)

Biographical Sketch



Ratko Magjarević received his Ph.D. in Electrical Engineering in 1994 from the University of Zagreb, Faculty of Electrical Engineering. After his appointment in industry at the Institute of Electrical Engineering “Koncar,” he joined the Electronic Measurement and Biomedical Engineering Group at the University of Zagreb Faculty of Electrical Engineering and Computing. He is full professor teaching several courses in Electronic Instrumentation and Biomedical Engineering at undergraduate, graduate and at postgraduate studies. His scientific and professional interest is in fields of electronic and biomedical instrumentation and health informatics, in particular in cardiac potentials analysis and pacing, in research of new methods for drug delivery based on electroporation and recently in research of personalized intelligent mobile health systems. He is author or co-author of numerous journal and conference papers, several textbooks and book chapters. R. Magjarevic is elected for President of the International Federation for Medical and Biological Engineering from 2022 to 2025.

Prof. Kang-Ping Lin

Vice-President of the International Federation for Medical and Biological Engineering (IFMBE)

Biographical Sketch



Prof. Kang-Ping Lin is a Distinguished Professor for Electrical Engineering and Director of Technology Translation Center for Medical Devices at Chung-Yuan Christian University, Taiwan. He served as Director of Medical Device Technology Division of the Biomedical Engineering Center in Industrial Technology Research Institute in Taiwan (2000-2004). He was the president of Taiwanese Society of Biomedical Engineering (2007-2010). He is the AC member of both Chinese Society of Biomedical Engineering (2015-2019) and Taiwanese Society of Molecular Imaging (2015-2019), and the Deputy Editor-in-Chief of the Journal of Medical & Biological Engineering (2018-2021). He has numerous roles in IFMBE including the Chair of Publication Committee and Publicity Committee, the Co-Chair of Asia Pacific Working Group Committee, and the Editor of IFMBE Newsletter from (2009-2015) to now. He has been elected to be the Secretary General of IFMBE (2018-2021) and vice-president (2022-2025). His research interests include handheld medical devices, physiological signal processing, and medical image processing. His current research topics include also capillary blood velocity measurement, microcirculation images, and hemodynamic data analysis. In the field of medical devices, he has also focused on integration of industry, academia and medicine oriented towards being homecare, small, simple and low-energy consumption.

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Prof. Radu Vasile Ciupa

Honorary President of the Romanian National Society for Medical Engineering and Biological Technology (SNIMTB)

Biographical Sketch



Professor, Technical University of Cluj-Napoca, Romania. PhD, thesis title: Contributions to the electrical measurements of some blood circulation characteristic parameters. PhD supervisor since 2000, head of 14 research projects; coordinator of 3 Tempus projects (financed by the European Union); Founder of the Romanian National Society for Medical Engineering and Biological Technology; Between 2000 and 2009 Secretary General of the Romanian National Society for Medical Engineering and Biological Technology; 2009 – 2016 : President of the Society. Published books: 13 (one in English), published articles:176; Expert evaluator of the European Commission, Directorate General XII Science, Research and Development; 2004 – 2012, 2013 – 2015 :Dean of the Electrical Engineering Faculty; Technical University of Cluj-Napoca, Romania

Dr. Christoph Baumann

Editorial Director, Springer Nature, The Netherlands

Biographical Sketch



Christoph Baumann graduated in Physics at University of Cologne, Germany. During his PhD studies, he worked at Cologne University, Parma University (Italy), and finally he received his PhD degree in Solid State Physics from RWTH Aachen University in 2004. He continued working in academia as a Postdoc at the Leibniz-Institute for Solid State and Materials Research Dresden – IFW Dresden – before he started his career as an academic publisher. Since 2005 Christoph Baumann is Editor for Engineering and Applied Sciences at Springer. He started as Associate Editor at Springer Heidelberg, Germany, succeeded the career path through Editor and Senior Editor. In 2012 he took over the responsibility for the editorial group on Physical Sciences in the newly started Singapore office, and started his position as Executive Editor in Singapore in 2015. In 2019, Christoph returned to Europe to take over the position “Editorial Director”, working out of Dordrecht (the Netherlands) as well as Cham (Switzerland). As a publishing editor, Christoph Baumann is acquiring content for several academic journals, scientific monographs, textbooks, and reference works.

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Prof. Mihaela Băciuț

Vice-Rector of the “Iuliu Hatieganu” University of Medicine and Pharmacy Cluj-Napoca, Romania

Biographical Sketch



Prof. Dr. Mihaela Băciuț is professor and chair at the Department of Maxillofacial Surgery and Implantology, Faculty of Dental Medicine and Vice-Rector for Scientific Research of the “Iuliu Hatieganu” University of Medicine and Pharmacy Cluj-Napoca, Romania. She also is Vice-president of the Romanian Society of Oral and Maxillofacial Surgery (SRCOMF). She coordinated and participated in 23 national and international scientific and educational projects and collaborative researches. With more than 100 scientific publications and an h-index of 17, she is involved in multidisciplinary research collaborations, with specific focus on ultrasonography in maxillofacial surgery, implant-supported tissue reconstruction and regeneration, stem cell-based regeneration, tissue engineering, craniofacial surgery, biomaterials and craniofacial bone reconstruction. Research and clinical management of malformations of the head and neck as well as dento-maxillofacial deformities are also key domains in her activity.

Prof. Doina Pîsla

Research Center of Robots Simulation and Testing; Tech. Univ. of Cluj-Napoca, Romania

Biographical Sketch



Professor **Doina PISLA** is currently the Director of Council for University Doctoral Studies within the University of Cluj-Napoca, Romania and the Director of the Research Center for Robots Simulation and Testing - CESTER within the same university. Professor Doina PISLA obtained her PhD within the Technical University of Cluj-Napoca in 1997. Following an academic carrier she became full professor at the Department of Mechanical Systems Engineering in 2005, teaching lectures in Parallel Robots and Medical Robotics. Prof. Pîsla's research activity is focused mainly on the field of Robotics and Mechatronics, with emphasis on the kinematics and dynamics of parallel robots, development of innovative medical robots, reconfigurable structures. As a result of her scientific activity, Prof. Pîsla published over 200 peer-reviewed full papers in scientific journals and conferences, co-authored over 10 patents. She has been director or key member of more than 50 international and national projects. In the meanwhile, she served in boards and program committees of various international conferences and congresses, being currently member of the Technical Committee for Computational Kinematics and for Biomechanical Engineering of International Federation for the Promotion of Mechanism and Machine Science (IFTToMM). She serves also as reviewer in various journals and funding agencies and Editor of the Series “New Trends in Medical and Service Robotics” (Springer).

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Col. Dr. Med. Doina Baltaru

“Dr. Constantin Papilian” Emergency Military Hospital of Cluj-Napoca, Romania

Biographical Sketch



Doina Baltaru was born in Romania in 1964. She received her medical degree in 1989 from Bucharest “Carol Davila” University of Medicine and Pharmacy. In 1999 she received her consultant medical degree in internal medicine and she is trained in rheumatology since 2001. Between 2000-2009 she was head ward at the internal disease department at “Dr. Constantin Papilian” Emergency Military Hospital from Cluj-Napoca. Between 2009-2003 she was medical manager and commander deputy at “Dr. Constantin Papilian” Emergency Military Hospital from Cluj-Napoca. The domain of interest for medical research are immunology and endothelial disffunction in rheumatic diseases and she is preparing a PhD thesis in the last domain. Starting with 2013 she is the commander of “Dr. Constantin Papilian” Emergency Military Hospital from Cluj-Napoca. She published eleven articles in medical magazines. She sustained over 25 oral presentations and poster sessions in symposiums and national congresses. She also sustained 9 oral presentations and poster sessions at various international congresses and symposiums. During the Medical Association and Military Pharmacists she sustained 11 oral presentations and poster sessions.

Prof. Nicolae Marius Roman

President of the Romanian National Society for Medical Engineering and Biological Technology (SNIMTB)

Biographical Sketch



Professor (retired) Technical University of Cluj-Napoca, Romania, teaching and research in the field of Biomedical Engineering, researcher – 3rd level, assistant manager at Institute for Scientific Research and Technological Engineering, member of International editorial Board of Journal of Medical and Biological Engineering (JMBE)-Institute of Biomedical Engineering Taiwan, published 19 national grants, 2 international cooperation contract, over 120 papers in proceedings of international conferences and journals. 10 books expert evaluator of ARACIS - The Romanian Agency for Quality Assurance in Higher Education, president (2016- present) of the Romanian National Society for Medical Engineering and Biological Technology, member of General Assembly of International Federation for Medical and Biological Engineering (IFMBE), IFMBE Honorary Life Member