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Thomas M. Deserno,
Professor of Medical Informatics
TU Braunschweig, Germany

Thomas Deserno received the Diploma in electrical engineering, the PhD in computer science, and a habilitation in medical informatics from the RWTH Aachen University, Aachen, Germany, in 1992, 1998, and 2004, respectively. Between 2007 and 2017, he was full professor of medical informatics at Uniklinik RWTH Aachen. Since 2017, he Director of Campus Braunschweig of the Peter L. Reichertz Institute for Medical Informatics of TU Braunschweig and Hannover Medical School.

His research interests include medical signal and image processing for continuous health monitoring and seamless workflow integration of ICT in medical research, particularly for accident and emergency informatics applications.

Among more than 100 outstanding research papers, he co-authored a textbook on image processing for the medical sciences (Springer, Berlin, 1997) and edited the Handbook of Medical Informatics (Hanser, Munich, 2005) as well as a book on Biomedical Image Processing within the series on Biological and Medical Physics, Biomedical Engineering (Springer, Heidelberg, 2011).

He is Senior of the Institute of Electrical and Electronics Engineers (IEEE) and Fellow of the Society of Photo-Optical Instrumentations Engineers (SPIE) as well as the International Academy of Health Sciences Informatics (IAHSI). He serves as Associated Editor of the SPIE Journal of Medical Imaging and the De Gruyter journal Biomedical Engineering / Biomedizinische Technik. He serves as the German Representative in the International Medical Informatics Association (IMIA) and is currently President of the European Federation for Medical Informatics (EFMI).

Chris Nugent
Professor of Biomedical Engineering
Head of School of Computing, Ulster University

Chris was awarded a first class honours in BEng Electronic Systems and a PhD in Biomedical Engineering both from the University of Ulster in 1995 and 1998, respectively. He was appointed as full Professor of Biomedical Engineering in 2008.

From 2015-2017 he was the Director of the Computer Science Research Institute at Ulster University and in 2017 he was appointed Head of the School of Computing. He is currently serving his second term in this role.

His research interests include the development and evaluation of technologies to support pervasive healthcare within smart environments. Specifically, this has involved research in the topics of mobile based reminding solutions, activity recognition and behavior modelling and more recently technology adoption modelling. He has been instrumental in developing the research agenda for Digital Health at Ulster University and the establishment of Ulster's Connected Health Living Lab. He is the director of the Pervasive Computing Research Centre is also the co-Principal Investigator of the Connected Health Innovation Centre.

Chris has focused on the development of impact from his research through a number of industrial partnerships in the form of Innovation Centres. He is Principal Investigator at Ulster for the PWC Advanced Research and Engineering Centre which has a focus on digital transformation, and co-investigator for the BT Ireland Innovation Centre which is developing computational solutions in the domain of the Internet of Things and cyber security.

Through his network of collaborators he has endeavoured to share the findings of his research and strategies in Digital Health. He has held visiting Professorships at Halmstad University (Sweden) and the University of Florence (Italy) and is currently a visiting Professor in Pervasive and Mobile Computing at Lulea Technical University (Sweden), a visiting Professor in Computing at Shandong Jianzhu University (China) and a Visiting Professor in Computing at Dalian University of Technology (China).

Since 2008 has served as an Associate Editor for the Editorial Board of the IEEE Engineering Medicine and Biology Conference, Healthcare Information Systems Theme and is currently serving as a member of Ireland's Commission on Care for Older People

Christian Baumgartner
Professor of Health Care Engineering
Graz University of Technology, Austria

Christian Baumgartner, PhD, is professor and head of the Institute of Health Care Engineering with European Testing Center of Medical Devices at Graz University of Technology, Austria. He received his MSc (1994) and PhD degrees (1998) from Graz University of Technology, and his habilitation in biomedical engineering from UMIT Tyrol, Austria (2006). Diploma in organ and choral conducting (1998) from the Conservatory of Church Music, Graz, Austria.

From 1998-2002 Dr. Baumgartner worked as an R&D systems engineer in the medical device industry. From 2007-2008, he was a visiting scientist at the Barnett Institute of Chemical and Biological Analysis, Northeastern University and Harvard Medical School, Boston, MA, where he conducted research in the field of bioinformatics. In 2009, he was appointed full professor and director of the Institute of Electrical and Biomedical Engineering at UMIT Tyrol. Since 2015, he has been head of the Institute of Health Care Engineering with European Testing Center of Medical Devices, TU Graz.

Dr. Baumgartner is the author of more than 200 publications in refereed journals, books and conference proceedings and patents, and is a reviewer for more than 40 scientific journals. He is associate editor of Frontiers in Physiology (Computational Physiology and Medicine), section editor of Sensors (biomedical sensors), co-section editor of the IMIA Yearbook of Medical Informatics (sensors, signals and imaging informatics), and is an editorial board member of Cell Biology and Toxicology and Methods of Information in Medicine. He teaches and has taught more than 20 courses in physics, biology, electronics and electrical engineering, computer science, biomedical engineering, and medical device regulation. His main research interests include biomedical sensors, cellular electrophysiology and signal processing, biomedical modeling and simulation, machine learning and computational biology, and medical device development, safety and regulatory affairs.

Stéphane Avril,
Professor of Biomechanics
Mines Saint-Etienne, Institut Mines Telecom, France

Stéphane Avril received his PhD in mechanical and civil engineering in 2002 at Mines Saint-Etienne (France). After positions at Arts et Métiers ParisTech (France) and Loughborough University (UK), he returned to his alma mater in 2008. Stéphane Avril was a visiting professor at Yale University (USA) 6 times between 2014 and 2019, guest professor at TU Wien (Austria) between 2020 and 2022 and guest professor at TU Graz (Austria) between 2021 and 2022.

Stéphane Avril is now a "Professeur de classe exceptionnelle" at Mines Saint-Etienne, Institut Mines Telecom in France. He is now the director of SAINBIOSE (INSERM endorsed laboratory with 150+ researchers). Within SAINBIOSE he leads a team working on cardiovascular dysfuntion.

Stéphane has received many awards and distinctions including an ERC (European Research Council) consolidator grant in 2015, an ERC proof of concept grant in 2021 and an ERC Advanced grant in 2024.

Most of Stéphane's research is aimed at improving the treatment of cardiovascular diseases by assisting physicians and surgeons with biomechanical numerical simulations.

In 2017, Stéphane co-founded Predisurge, a spin-off company of IMT at Mines Saint-Etienne. PrediSurge offers innovative software solutions for patient-specific numerical simulation of surgical procedures. In 2024, Stéphane co-founded KaomX, another spin-off company of IMT at Mines Saint-Etienne. KaomX develops a novel imaging device for elasticity measurements in cell mechanobiology.

Olga Korostynska
Professor in Biomedical Engineering
Oslo Metropolitan University, Norway

Olga Korostynska received BEng and MSc in biomedical engineering from National Technical University of Ukraine, LLB and PhD in Electronics and Computer Engineering from the University of Limerick, Ireland. She is currently a Professor in Biomedical Engineering at Oslo Metropolitan University (OsloMet), Oslo, Norway. Before joining OsloMet, she worked at Norwegian University of Life Sciences (NMBU) as Associate Professor. She was a Senior Lecturer in Advanced Sensor Technologies in the Liverpool John Moores University, Liverpool, UK. She was EU Marie Curie Postdoctoral Research Fellow developing electromagnetic wave sensors for real-time water quality monitoring, as well as a Postdoctoral Researcher in the University of Limerick, working on several projects, including funded by IRCSET, EI and EU FP7 and also was a Lecturer in Physics in Dublin Institute of Technology, Dublin, Ireland. Prof. Korostynska has co-authored 2 books, 15 book chapters, 5 UK patents and over 300 scientific papers in peer-reviewed journals and conference proceedings (h-index 34).

Prof. Olga Korostynska is a specialisation coordinator for the Master's degree in Biomedical Engineering in OsloMet and one of the initiators of the Intelligent Health Incubator project. "Intelligent Health" is a strategic university initiative to contribute to the development of knowledge and technological solutions that foster improved health and counteract diseases, with a focus on technological development and implementation. It offers an arena that encourages cooperation between the university and the private and public sectors. Through collaborating across disciplines and sectors, OsloMet aims to ensure that research and innovation within health and technology remains user- and problem-oriented.

Claire Rossi,
Professor of Biological Life Sciences
President of the University de Technology - Compiègne

Claire Rossi is full professor of biological life sciences and food technology in the laboratory of Cell and Enzyme Engineering CNRS UMR 7025, department of biological engineering of UTC. Her research investigates the biological mode of action and health potential of phytochemicals found in food. She built a strong experience in the nutritional optimisation of food products and in providing a healthy and bioactive added-value to food products. She developed and leads a **technology** development and **transfer platform in food science, where the gained knowledge in nutritional biochemistry is used to develop prototypes of innovative food products for companies.** She has been supporting the development of numerous food innovation projects and is the scientific advisor of several spin-off companies.

Claire Rossi served two times as interim President and also as Deputy President of the University of Technology de Compiegne (UTC) between 2020 and 2023. Previously she was Vice-President of the Board of Directors of UTC

Claire Rossi began his term as the 9th President of UTC on December 8, 2022. Since her election, major projects were carried out at the university. She led the writing of the strategic plan UTC 2035. This year, among other successes, UTC won, with its partners, the European Commission's call for European university alliances (SUNRISE alliance) and the national IA cluster call for world-class research and training centers in artificial intelligence.

Mihnea COSTOIU
Rector of the National University of Science and Technology POLITEHNICA Bucharest, Romania

Mihnea Costoiu graduated Economic Engineering at POLITEHNICA Bucharest. He held several political positions between 2001 to 2014, including Secretary General, State Secretary, and Minister Delegate for Higher Education and Research with the Romanian Ministry of Education.

In 2012 he was elected Senator in the Parliament of Romania and in 2016 he was re-elected senator and member of the Committee for Education, Science, Youth, and Sport and member of the Foreign Affairs Committee of the Senate. Since 2012 he is Rector of Politehnica Bucharest and General Secretary of the Romanian National Council of Rectors.

Since 2017 Mihnea Costoiu is a Member of the Board of Directors of Conference of European Schools for Advanced Engineering Education and Research (CESAER). Between 2020-2023 he was Vice-president of the association.

Starting with 2017 he has been a member of the Council of Administration of Agence Universitaire de la Francophonie (AUF), actively promoting the academic Francophonie.

He was awarded with more than 70 prizes and golden medals and is also the winner of more than 10 international patents.

Per Michael Johansen,
Professor in Physics
Aalborg University, Denmark

Per Michael Johansen holds both a PhD and a DSc in physical optics and has pioneered fundamental scientific discoveries in the field of non-linear optics.

Per Michael Johansen has served as a full professor at Risoe National Laboratories, University of Southern Denmark and Aalborg University, and has published extensively in the scientific literature.

Since 2004 Per Michael Johansen has undertaken various strategic leadership positions in both the maritime – and the university sector. In 2007 he was appointed Dean at University of Southern Denmark and since 2014 he has served as Rector at Aalborg University.

During his leadership Aalborg University has been committed to solving the global dilemmas that affects us all. Under the motto Knowledge for the World the university is committed to becoming a mission-oriented university focusing on an interdisciplinary and transformative approach to knowledge creation. In addition, Aalborg University has devised an ambitious strategy on digitalization and the use of AI in both teaching, research and administration.

Aalborg University promotes close cooperation with industry and is deeply involved in student and faculty start-ups. Collaboration with society at large is acknowledged. During the past period Aalborg University has established itself in the global rankings and has for the past years ranked among the best engineering universities in Europe. Also, the university is acknowledged for its efforts to become climate neutral and for its ranking in the Sustainable Development Goals.

José E. Capilla Romá
Rector at University of Technology Valencia

Prof. Capilla Romá (1961) was graduated as Civil Engineer at the Technical University of Valencia (UPV, Spain) in 1986, and obtained a PhD degree in Water Resources in 1989. Since 1993 he has occupied different positions with both academic and management responsibilities.
He is Rector at UPV (since June 2021), and he has been Vice-rector for Research, Innovation and Transfer (2013-2021), and Director of the Research Institute of Water and Environmental Engineering at UPV (2009-13).
He was appointed in 2004 as General Director of Universities and Higher Education in the Valencian Government (2004-2007) being the highest responsible for regulations and public funding of the Valencian University system (5 public universities and 2 private universities accounting for more than 100000 students by then). Also Visiting Scientist at Stanford University (1995, 1998) and Visiting Professor at the Massachusetts Institute of Technology (1999-2000). In 1999 he was awarded with Premio de Tecnología de Residuos (Research Award in Waste Technologies) in the Valencian Region.
His main current areas of interest in research and engineering are mathematical modelling of flow and mass transport in hydrogeology, simulation of complex water resources systems and risk analysis, assessment of climate change impacts on water resources, and development of response strategies to climate change. He also maintains an important line of activity in management and improvement of university education supported by international projects. Since 1986 he has taken part and lead different research activities within more than fifty research and technological projects. These include several European projects in European Research Framework programs,
TEMPUS programs, ERASMUS+, and the participation in other international projects as INTRAVAL, GEOVAL and DECOVALEX (international joint projects in the field of flow and mass transport modelling related with the deep underground disposal of nuclear waste).
He is author/co-author of more than sixty (peer review) scientific publications (excluding technical reports), and close to two hundred communications in National/International Technical and Scientific Meetings. Besides, he has served as member of Scientific Advisory Committees of several International Conferences.

Christian Lerminiaux
Director of Chimie ParisTech
University PSL

Biography

Christian Lerminiaux (PhD in atomic Physics, University Pierre et Marie Curie) is heading Chimie ParisTech, France's leading institute in chemistry since November 2014.

He is member of the board of PSL Research University, one of the world's top research universities and gathers prestigious and internationally respected academic and research institutions. Former president of Cdefi (2011/14), he is also President of ParisTech.

He managed the University of Technology of Troyes in France (2004/2014).

He has been working for the CEA-LETI (2003/2004) as Program Director for Optics and Microsystems, and for Corning from 1989 to 2003 where he hold multiple positions, e.g.: Director Amplifier Research and Technology, Core Director Optical Technologies and Device Physics.