

## Hermes workshop “towards ICT-supported health”

### About the speakers:



**Prof. dr. ir. Ignas G. M. M. Niemegeers, chair of the workshop** got a degree in Electrical Engineering from the University of Gent, Belgium, in 1970. In 1972 he received a M.Sc.E. degree in Computer Engineering and in 1978 a Ph.D. degree from Purdue University in West Lafayette, Indiana, USA. From 1978 to 1981 he was a designer of packet switching networks at Bell Telephone Mfg. Cy, Antwerp, Belgium. From 1981 to 2002 he was a professor at the Computer Science and the Electrical Engineering Faculties of the University of Twente, Enschede, The Netherlands. From 1995 to 2001 he was Scientific Director of the Centre for Telematics and Information Technology (CTIT) of the University of Twente, a multi-disciplinary research institute on ICT and applications. Since May 2002 he holds the chair Wireless and Mobile Communications at Delft University of Technology, where he is heading the Centre for Wireless and Personal Communication (CWPC) and the Telecommunications Department. He was involved in many European research projects, e.g., the EU projects MAGNET and MAGNET Beyond on personal networks, EUROPCOM on UWB emergency networks and, eSENSE and CRUISE on sensor networks. He is a member of the Expert group of the European technology platform eMobility and IFIP TC-6 on Networking. He is also chairman of the HERMES Partnership, an organization of leading European research institutes and universities in telecommunications. His present research interests are 4G wireless infrastructures, future home networks, ad-hoc networks, personal networks, cognitive networks.



**Prof. dr. J. Felix Hampe** is Full Professor and holds a Chair at the Department of Informatics at the University of Koblenz-Landau in Germany where he has for many years served as the Director of the Institute of IS Research. His academic and industry activities focus on corporate communication systems with special interest in electronic and mobile business and technology in various application areas. Furthermore he holds an Adjunct Professorship at the University of South Australia since 2005 and was awarded with the Endowed Cor Wit Chair 2009/2010 at the University of Technology Delft, Netherlands. He acted as Research Programme Chair for the 21st Bled eConference, was Track Chair at the WI2009 in Vienna and for numerous other conferences. Beside his publications he has an extensive record of active project partnerships with a number of companies in the field of e- and m-Business.



**Prof. Dr. Ir. Hermie J. Hermens** did his master in biomedical engineering at the University of Twente, the Netherlands. Currently, he is a Professor at the University of Twente with two chairs. One in Neuromuscular Control of human movements and one in Remote Monitoring and Treatment. Besides, he is cluster manager in the area of non-invasive assessment at Roessingh Research and Development. He is (co)-author of over 130 peer reviewed scientific journal publications and 8 scientific proceedings/text books. He coordinated three European projects and participated in over 15 other international projects in the area of surface EMG, functional electrical stimulation and Information and Communication Technology.



**Dr. Ir. Wouter A. Serdijn** received the Ingenieur's (M.Sc.) degree (cum laude) in Electrical Engineering from Delft University of Technology, The Netherlands, in 1989. Subsequently, he joined the [Electronics Research Laboratory](#) of the same university where he received his Ph.D. in 1994. His research interests include low-voltage, ultra-low-power and ultra wideband analog integrated circuits for [wireless communications](#), [pacemakers](#), [cochlear implants](#), [portable, wearable, implantable and injectable ExG recorders and neurostimulators](#). In this field he co-authored 7 books, 6 book chapters and more than 250 scientific

publications and presentations. He has been supervising 22 Ph.D. students, 79 M.Sc. students and 11 B.Sc. students. He received the [Electrical Engineering Best Teacher Award](#) in 2001 and 2004. He has served, a.o., as Technical Program Chair for BioCAS 2010 and as Technical Program Chair for ISCAS 2010. He currently serves, a.o., as a member of the Board of Governors (BoG) of the IEEE Circuits and Systems Society (2nd term) and as Editor-in-Chief for IEEE Transactions on Circuits and Systems—I: Regular Papers (2010—2011). Wouter A. Serdijn is an IEEE Fellow and a mentor of the IEEE.



**Dr. Jean-Benoît Pierrot** received an Electrical Engineering M.S. degree in 1993 from ENSEA, an Electrical Engineering Institute in France. He joined the French Home Office and worked on forensic tools studies and development as signal processing specialist. He earned the M.S. degree in Computer Science from the university of Cergy and the Ph.D. degree from Telecom Paris, another Electrical Engineering Institute, France, in 1995 and 1998 respectively. In 1998, he joined Lucent Bell Laboratories for a post-doctoral position to carry out research on robust speech and speaker recognition. In 2000, he moved to Philips as a technical staff member and worked on models of human-computer interaction, communication network flow models and distributed applications, all applied to wireless specific applications. Finally, in 2002 he joined CEA health and information department as research staff member. His current research interests are focusing on the sensors and actuators network domain and their applications.



**Dr. John Farserotu** is Head of the Wireless Program at CSEM. His research interests and expertise include wireless communication, Body Area Networks (BAN), ultra wideband (UWB) and localization. Dr. Farserotu received his Ph.D. in Electrical Engineering from the Telecommunication and Traffic Control Systems Group, Delft University of Technology, Delft, The Netherlands in 1998, his M.S.E.E from the George Washington University, in Communications Engineering in 1985 and his B.S.E.E from the University of Maryland in 1983. Dr. Farserotu was the Deputy coordinator for the FP6 IST MAGNET IP. He has authored or co-authored over 50 publications in major journals and conferences. He is co-author of a book on *Mobile Satellite over IP/ATM Networks* and he currently teaches a course on this subject at the Ecole Polytechnique Federale de Lausanne (EPFL). Dr. Farserotu is active in the IEEE802.15 Task Group 6 (BAN). He is Vice-Chair of ETSI eHealth and also Vice-Chair and Research Co-ordinator of the HERMES Partnership, a network of leading European R&D centers in the field of wireless and mobile communication bringing together over 1000 engineers and scientist. He is a member of the Editorial Board of the Springer Wireless Personal Communications journal, and has served on the programme and organising committees of major international conferences in wireless and mobile communication.



**Piet Verhoeve Msc.** has a Master of Science degree in Electrical Mechanical Engineering from the KULeuven University and a Ph.D. degree in Elecontronic Engineering from the Ghent University, Belgium. The past 9 years he has been active at Televic, in the beginning as Sr. research associate at Televic, where he was responsible for responsible for driving innovation & research in collaboration with institutes, universities and engineering schools. Within four years he brought Televic from an unknown SME company to a well valued partner in several R&D projects collaborating with different universities on national and European level. As of 2004 he started exploring the new upcoming home care market and how to define use cases to bring the potential of eHealth technologies to real life implementations within the operational healthcare market. In 2007 he continued towards the operational business lead for the niche market Healthcare as business unit manager. Recently he has taken up a position at a strategic level of the company to define and enable long term oriented strategic projects and alliances for the Televic niche markets Healthcare and Education.



**Paul D Mitcheson** gained his Master of Engineering in 2001 and his PhD in 2005, both from Imperial College London. Since January he has been a Lecturer in the electrical

engineering dept at Imperial and his research focuses on energy harvesting mechanisms and power electronics for harvesters. His current line of research related to adaptability of harvesters using power electronics



**Lukasz Januszkiewicz** received the M.Sc.E. degree in Electrical and Electronic Engineering in 2002 and the PhD in 2008, both from Technical University of Lodz. His industrial experience covers practice in: ABB High Voltage Technologies Switzerland (2000), Sinclair Technologies UK (2001) and Polkomtel Poland (2002). Since 2002 he is a lecturer and researcher in the Telecommunication Research Group in Institute of Electronics, Technical University of Lodz. He was involved in numerous research projects on radio engineering and telecommunications. His research interests are focused on antennas and electromagnetic simulations and measurements. His publications concentrate on broadband antenna design and simulation and on antenna interaction with human body. His current research interests are textile and flexible

antennas for body area networks.