Curriculum Vitae
Myles H. Capstick

- **Short CV**

Dr. Myles H. Capstick received his B.S. and Ph.D. degrees from the University of Wales in Bangor in 1987 and 1991, respectively. He was appointed as a lecturer in the School of Electronic Engineering Science at the University of Wales, Bangor, in 1990 and moved to the University of York, Department of Electronics, in 1996, where he was first lecturer and later senior lecturer. In May 2006, Dr. Capstick joined the Foundation for Research on Information Technologies in Society (IT'IS) in Switzerland where he currently serves as project leader, head of hardware and associate director. Dr. Capstick's expertise encompasses the design of analog, radiofrequency (RF), microwave, and millimeter-wave (mm-wave) systems, subsystems, circuits, and antennas, which he applies in the fields of device and system development for health risk assessment studies (*in vitro, in vivo* animal and human), measurement technology, and bio-medicine. He has been Chief Technology Officer of ZMT Zurich MedTech AG since 2006, and of TI Solutions AG since 2020. In the medical research field, Dr. Capstick spearheaded the development of RF hyperthermia and magnetic nano-particle hyperthermia equipment, magnetic resonance imaging (MRI) RF and gradient field exposure test systems for medical implant safety assessment. For health risk assessment, he has designed body-worn antennas, dosimetry handsets, wireless, measurement instrumentation for improved assessment of safety in EM fields and for measurement of miniature body worn devices. Recently, he has been involved in the design of exposure systems for new 5G mm-wave bio-experiments (*in-vitro* and *in vivo*) with well controlled exposure conditions and the development of devices for new non-invasive deep brain stimulation paradigms in particular for temporal interference stimulation.

It is many years that I have been a member of either BioEM or its predecessor societies and I am happy and willing to help the society as a board member if elected.