

**Prof. Risto Ilmoniemi (Aalto University, Finland), Conference Co-Chair**

Professor Risto Ilmoniemi is a physicist and neuroscientist at Aalto University, where he is the Head of the Department of Neuroscience and Biomedical Engineering. He has built and designed multichannel MEG instruments and invented for MEG use the minimum-norm estimate (together with Matti Hämäläinen), the signal-space projection, mathematical methods for the forward and inverse problem, the channel-capacity measure for comparing sensor arrays, and the triangle phantom. With his co-workers, he has developed several transcranial magnetic stimulation (TMS) techniques such as navigated TMS (nTMS), the combined use of TMS and EEG, and multi-locus TMS. He is founder and former CEO of Nexstim Plc. He has led the development of new technologies and methods for hybrid MEG–MRI and for TMS. He is the Chair of the Biodesign Finland Program and participates also in several other innovation-promotion activities. He has lectured on classical electromagnetism, functional imaging, MEG and EEG, and neuroscience.