

Research activity

Vittorio Pizzella obtained the Italian "Laurea" in 1986 working on a thesis on the biomagnetic technique and the superconducting instrumentation required to detect the tiny magnetic field generated by the working human brain. From 1988 to 1999 Vittorio Pizzella works as a researcher in Physics at the Institute of Solid State Electronics of the Italian National Research Council (CNR). His research activity in Chieti is focused on the development of superconducting instrumentation for the detection of biomagnetic fields, as well as data analysis for the characterization of the biomagnetic sources. In this frame he collaborated at the development of all multichannel biomagnetic system developed in Italy in the last 20 years.

From 1999 to 2005 Vittorio Pizzella is associate professor of Physics at the School of Medicine of the "G. d'Annunzio" University in Chieti. After September 2005 he is full professor of Physics at the same University.

After joining the University of Chieti, Vittorio Pizzella maintains his effort in the development of new instrumentation for magnetoencephalography. Additionally, he is involved in the development of new methods to obtain better estimates of the brain activity and connectivity, i.e. brain networks, from MEG but also integrating these data with other data obtained from other techniques such as magnetic Resonance Imaging. His interests include also neuroimaging and more specifically neurophysiology.

Vittorio Pizzella is the author of more than 100 publications on international journals.

IF (total): 340

H-index (scopus): 36

Career/Employment>

National Research Council, Researcher of Physics 1988-1999. Leader of the Biomagnetism Group 1990-1999

Chieti University "G d'Annunzio", Associate Professor of Physics 1999-2005

Chieti University "G d'Annunzio", Full Professor of Physics 2005-present

Honours, Awards, Fellowships, Membership in Professional Societies

Director of the Department of Neuroscience, Imaging and Clinical Sciences of the University "G. d'Annunzio" of Chieti-Pescara

Member of the Academic Senate of the University "G. d'Annunzio" of Chieti-Pescara

Member of the Board of Teachers of the PhD course on "Functional neuroimaging"

Co-Chairman of the ISBET2006 Conference

Co-Chairman of the NFSI2003 Conference

Reviewer for the following journals:

Clinical Neurophysiology

Experimental Brain Research

Brain Research Protocol

IEEE Transaction on Biomedical Engineering

Journal of Neuroscience

Journal of Neuroscience Methods

Neuroscience

Human Brain Mapping

Vittorio Pizzella has been in charge for either CNR or the University of Chieti of more than 15 projects and scientific agreements with research institutes and companies. He gave more than 15 invited talks in international school or conferences.