

Luigi Mariucci received the degree in physics from the University of Rome in 1984. From 1986 to 1988 he was with the Institute of Physics, Rome University, working in the field of amorphous silicon for solar cells. From 1988 to 1992 he was with the Solid-State Institute of CNR in Rome, where he conducted research on amorphous silicon thin film transistors. From 1992 to 1996 he was researcher at the ENEA- Research Centre in Portici, where he worked in the field of amorphous silicon based TFTs and solar cells. Since 1996 he has been working at the CNR in Rome at the Institute for Microelectronics and Microsystems (IMM). His research interests include the physics and technology of thin film transistors based on inorganic (polycrystalline silicon) and organic materials. He fabricated organic transistors (OTFTs) starting from evaporated and solution processed organic semiconductors, obtaining high performance devices. Recently, he developed OTFTs made by printing techniques on flexible substrate, obtaining fully printed devices with good electrical characteristics. He studied the device physics of OTFTs by using both experimental results and 2d device simulations. He developed an OTFT compact model for circuit simulation that has been used to design organic circuit fabricated on flexible plastic substrate. Organic device and circuits have been also used to develop physical sensors, as the tactile sensors. He has been responsible of national, European and industrial research contracts. He is the (co)-author of more than 200 papers published on international scientific journals and more than 100 contributions to Proceedings of International Conferences. He was a co-organizer of the International TFT Conference ITC'07 (Rome 25-26 January 2007), he was the Chairman of the 7th International Conference on Organic Electronics (ICOE2011, Roma, 22-24 June 2011). His h-index is 26 with 2194 citations (source Scopus, Author ID: 7003351754).