

Delegate Member Biography Form

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Biography	Photo
<p>Dr Carmen Moldovan is the Director of the "Research Center for Integration of Technologies" at IMT-Bucharest. She graduated in Electronics and Telecommunications and holds a PhD in Microsensors. She was working at Microelectronica Bucharest in CMOS Technology and joint IMT-Bucharest in 1995, working in simulation, design, technology and characterization of microsystems, data acquisition and signal processing. She was/is involved in more than 16 EU Projects and 22 National Projects and published more of 120 papers in journals and Conference Proceedings. She holds 7 patents. She was (1998-2010) part-time professor at Politehnica University of Bucharest providing courses on MEMS technology and applications.</p> <p>Dr. Moldovan contributed and is currently coordinating several applications dedicated to the market : Piezoelectric MEMS for Efficient Energy Harvesting, Autonomous system for nitrites/nitrates and heavy metals monitoring of natural water sources; Blood pressure monitoring bracelet for early detection of preeclampsia; Integrated Platform for Pesticides Detection: Micro Immunosensors Platform for Metabolic Syndrome Investigation, Microbiosensor arrays fabrication and portable DETECTION apparatus development for Acute Myocardial Infarction diagnostic, Apparatus for optical and electrical monitoring of drugs toxicity using cell culture, and eNOSE (Electronic Nose for detection of low concentration pollutant and explosive gases).</p> <p>Her activity is recently focused on Signal processing and wearable sensors.</p>	