



**Keynote speaker:**

**Prof. Gheorghe Brezeanu, Ph.D.**  
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**Presentation:**  
**"Silicon Carbide Sensors for Automotive  
Applications"**

Gheorghe Brezeanu is Professor at Electronics and Telecommunications Faculty, University Politehnica Bucharest; since 1994- PhD supervisor in Electronics and Telecommunications Engineering with 20 PhD programs finalized and Director of Doctoral School of Electronics, Telecommunications and IT- since 2012

His area of competence is in: Nano-electronics, Microelectronics; Measurement and data acquisition systems for power devices; Ohmic contact measuring system; Pressure and temperature sensors, biosensors; DC-DC Converter for LED Biasing; Silicon carbide and diamond devices manufactured for the first time in Romania; Wide band semiconductor device and circuits models; Oxide edge termination profiles for power devices; Analogue integrated circuits.

He has experience in research projects: 6 international projects (director) and 22 national projects/grants (director); Director of the Romanian MATNANTECH programme – Chapter 7 – Micro, nanoelectronics and optoelectronics – 2001-2008; Project reviewer and monitor within the frame of the following Romanian programmes: ORIZONT, MATNANTECH, RELANSIN, CNCSIS, CEEX, POSDRU – Since 1996; Member (2005-2008) and Deputy Head (2008-2010) of the Engineering Sciences committee within the National Council for High Education (CNCSIS); Member of the Electronics and Telecommunications committee board within the National Council for Academic Titles, Diplomas and Certificates Validation (CNATDCU) – Since 2011; Vice-chairman of the IEEE International Semiconductor Conference (CAS) – Since 2005; Technical Program Committee member of the International Symposium on Signal, Circuits and Systems – Since 2009, European Solid State Devices Research Conference (ESSDERC) – Since 2013 and of European Conference on Silicon Carbide and Related Materials (ECSCRM) – Since 2016.

Professor Brezeanu is the author of more than 250 papers (133 ISI), 5 patents, 19 books; H index: 12; over 700 citations.