

IEEE EDS Mini-Colloquium

Organized by the EDS Spain Chapter

Tuesday, Nov. 13th, 2018 - Auditorio, Hospedería Fonseca

Advanced Materials and Devices: Challenges and Opportunities

PROGRAM

Welcome by the EDS Spain Chapter.

SESSION A. Distinguished lecturers:

15:30h -16:15h

The prospects, merits, and limitations of 2D electronics.

Prof. Frank Schwierz, *Technische Universitaet Ilmenau (Germany)*

16:15h -17:00h

Recent advances in 2D electronic and plasmonic terahertz devices utilizing graphene-based 2D materials.

Prof. Taiichi Otsuji, *Tohoku University (Japan)*

17:00h -17:45h

Leveraging semiconductor technology for the benefit of society

Prof. Fernando Guarin, *GlobalFoundries East Fishkill, NY. (USA)*

17:45h - 18:15h COFFEE BREAK

SESSION B. Distinguished lecturers:

18:15h -18:40h

Recent advances in compact modeling of ReRAM devices

Prof. Enrique Miranda, *Universitat Autònoma de Barcelona, Spain*

18:40h - 19:05h

Compact modeling and parameter extraction of Amorphous Oxide TFTs

Prof. Benjamin Iñiguez, *Universitat Rovira i Virgili, Spain*

19:05h -19:30h

Fabrication and characterization of high efficiency polymer solar cells

Prof. Lluís Marsal, *Universitat Rovira i Virgili, Spain*