

WASMPE 2009

Workshop on Advanced Semiconductor Materials and Devices for Power Electronics Applications

May 7th-8th, 2009 - Catania, Italy

<http://wasmpe.imm.cnr.it>

Introduction

Wide Band-Gap semiconductors expand the boundaries for electronic devices and their use within electronic power systems and are now becoming a commercial reality.

The third International “Workshop on Advanced Semiconductor Materials and devices for Power Electronics applications” – WASMPE’09 – is a follow-up of the first edition held in Barcelona (Spain), in October 2005, and the second occurrence held in Olbia (Italy), in July 2007. WASMPE’09 will present and discuss the latest developments in full Silicon Carbide (SiC), and perspectives beyond SiC such as Gallium Nitride (GaN on Si, on SiC, on sapphire and freestanding) and Diamond (C) power electronics. An outlook to graphene will be also considered. A wide range of topics will be reviewed including (among others) advanced materials, devices and applications for power and RF electronics.

The Conference will provide an intimate forum for industrial and academic people to “plan the future” of this vibrant field, considering the different aspects from material quality and wafer diameter to packaging.

Only a limited number of presentations will be accepted reviewing important issues of general impact.

Scientific committee

Jean Camassel (University of Montpellier, France)

Salvatore Coffa (STMicroelectronics, Italy)

Danilo Crippa (LPE/ETC, Italy)

Ferruccio Frisina (STMicroelectronics, Italy)

Philippe Godignon (CSIC, Spain)

Owen J. Guy (University of Wales, UK)

Tom Hierl (Velox, USA)

Hiroyuki Nagasawa (Hoya, Japan)

Alfonso Patti (STMicroelectronics, Italy)

Adrian Powell (CREE, USA)

Adolf Schoner (ACREO, Sweden)

Important dates

Abstract Submission:

March 20th 2009

Notification of acceptance:

April 1st 2009

Manuscript Submission:

April 20th 2009

Local Chairs

Vito Raineri

(CNR-IMM, Catania, Italy)

Fabrizio Roccaforte

(CNR-IMM, Catania, Italy)



ST Microelectronics



Epitaxial Technology Center



Consiglio Nazionale delle Ricerche
Institute for Microelectronics and Microsystems