



5-7 July 2010 Paris France

'DSL2010 Honorary Chairman'
Professor Jean Philibert, France

O R G A N I S E R S
Prof. Noorhana Yahya
Universiti Teknologi PETRONAS,
Malaysia
Prof. Mohamad Rusop
Universiti Teknologi MARA,
Malaysia
Dr. Krzysztof Koziol
University of Cambridge,
UK

CARBON AND OXIDE BASED NANOSTRUCTURED MATERIALS

SPECIAL SESSION



PLENARY LECTURES

'The Search for Super- and Ultrahard Materials: Go Nano!'
Professor Stan Veprek, Germany

'Challenges of microstructural control of steel through
diffusion processes'
Professor Yvan Houbaert, Belgium

CARBON AND OXIDE BASED NANOSTRUCTURED MATERIALS (SS5)

This Special Session will cover all aspects of carbon- and oxide-based nanostructured materials. Possible topics include synthesis and characterization of oxide-based and carbon-based namely, carbon nanotubes (CNTs), carbon nanofibres, carbon filled composite etc may be presented. Metal oxide, namely ZnO, TiO₂, Fe₂O₃, ferrites, garnets, etc for various applications like sensors, solar cells, transformer, antenna, catalysis, lubricant, can also be presented. Modeling of the oxide and carbon based materials is highly welcome.

Topics of the Session:

- Synthesis, characterization and application of carbon nanotubes (CNTs)
- Theory, calculations and modeling of nanostructured materials
- Nanostructured magnetic materials and their applications
- Nanostructured materials for electrochemical energy
- Oxide- and carbon- based thin films

**ABSTRACTS SUBMISSION: DEADLINE:
22nd March, 2010**

ABSTRACT SUBMISSION:

Online: <http://www.dsl2010-paris.com/abstract.html>
or directly by email to:
abstract@dsl2010-paris.com



INVITED TALK:

'Outlook of GTL Industry with the Advent of Carbon Nanotube Based Catalysts'

Prof. Piven Vladimir

Universiti Teknologi PETRONAS, Malaysia



INVITED TALK:

'Bi-Fe₃O₄ nanocomposites, preparation, characterization and separation of Bi & Fe₃O₄ phases'

Prof. Jamshid Amighian

University of Esfahan, Iran



INVITED TALK:

'Nano Based Optical Chemical Sensors'

Prof. Aleksandra Lobnik

University of Maribor, Slovenia



INVITED TALK:

'Electromagnetic characterization of carbon nanotube films and carpets by near-field evanescent microwave microscopy'

Prof. Gregory Kozlowski

Wright State University,
USA

OPENING TALK:

'Carbon Nanotube(CNT) Fiber Based EM Transmitter'

Prof. Noorhana Yahya

OVERVIEW TALK:

'Open Circuit Voltage Characteristics of Fabricated CNTs/MEH-PPV Organic Solar Cells'

Prof. Mohamad Rusop

INTRODUCTORY TALK:

'High Performance Multifunctional Carbon Nanotube Fibres'

Dr. Krzysztof Koziol



PUBLICATION:

JOURNAL OF NANOSCIENCE AND NANOTECHNOLOGY

www.aspbs.com/jnn

(Selected Papers)

THE JOURNAL OF NANO RESEARCH

(Selected Papers)

<http://www.ttp.net/1661-9897.html>

cited on ISI Web of Science and Scopus

Papers submitted to DSL-2010 and accepted after review process will be published in the periodical **"DEFECT AND DIFFUSION FORUM"** (Special Issue)

by Trans Tech. Publications:

www.ttp.net/1012-0386.html

cited in the Conference Proceedings Citation Index - Science (CPCI-S) by ISI Web of Knowledge



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