



Workshop on Functional Ceramics

功能陶瓷材料研討會

8 - 9/11/2013

Organizer / 主辦單位
Faculty of Science and Technology, University of Macau
澳門大學科技學院

Friday, 8 November 2013

Venue: **HG03**, Ho Yin Convention Centre

2:00pm - 2:30pm	Opening Remarks Presentation of Souvenirs Group Photo	Moderator Prof. Haydn H. D. CHEN
	Session 1	Chair Prof. Jia-Hong HUANG
2:30pm - 3:15pm	1.1 Carbonaceous Nanomaterials for Hydrogen Storage and Energy Applications	Prof. Sammy CHAN
3:15pm - 4:00pm	1.2 Giant Electrocaloric Effect and Electrostrictive Properties of Relaxor Ferroelectrics	Prof. Sheng-Guo LU
4:00pm - 4:30pm	<i>Coffee Break</i>	
4:30pm - 5:15pm	1.3 The Study on Improving the Piezoelectric Properties of Bismuth Layered Structure Ceramics	Prof. ZHAI Jiwei
5:15pm - 6:00pm	1.4 Evaluation of Fracture Toughness of ZrN Hard Coatings by Internal Energy Induced Cracking Method	Prof. Jia-Hong HUANG
7:00pm - 9:00pm	<i>Dinner</i>	

Saturday, 9 November 2013

Venue: **L105**, Luso-Chinese Building, 1st Floor

	Session 2	Chair Prof. Sammy CHAN
9:00am - 9:45am	2.1 Possibility of Using Duplex Stainless Steels for Temperature Measurement	Prof. LO Kin Ho
9:45am - 10:30am	2.2 Design and Fabrication of TiO ₂ -based Photocatalyst for Hydrogen Production	Dr. PAN Hui
10:30am - 11:00am	<i>Coffee Break</i>	
11:00am - 11:45am	2.3 Field-induced Enhancement of Pyroelectric Response of Pb(Mg _{1/3} Nb _{2/3})O ₃ -PbTiO ₃ Single Crystals, Pb(Mg _{1/3} Nb _{2/3})O ₃ -based and PZT-based Ceramics	Prof. Igor RAEVSKI
11:45am - 12:30pm	2.4 X-Ray, Dielectric, Piezoelectric and Mossbauer Studies of PbFe _{0.5} Ta _{0.5} O ₃ Multiferroic	Dr. Victor TITOV
12:30pm - 2:00pm	<i>Lunch</i>	
	Session 3	Chair Prof. Haydn H. D. CHEN
2:00pm - 2:45pm	3.1 Piezoresponse Force Microscopic Investigations on Local Polarization Arrangements and Phase Transformation Induced Strain in Lead-free BNT-7%BT Ceramics	Prof. Chen-Chia CHOU
2:45pm - 3:30pm	3.2 Phase Transformation Induced Bloating Behavior in Diopside Glass-Ceramic Used for Microwave Dielectric Materials	Dr. Kuei-Chih FENG
3:30pm - 4:00pm	<i>Coffee Break</i>	
4:00pm - 4:45pm	3.3 Transmission Electron Microscopic Investigations on Microstructural Evolution of Lead-free(1-x)(Bi _{0.5} Na _{0.5})TiO ₃ -xBaTiO ₃ Ferroelectrics	Mr. Ping-Yu LIN
4:45pm - 5:30pm	3.4 Transmission Electron Microscopy Studies of Ferroelectric Domains in Three Typical Lead Free Piezoelectric Ceramic Systems	Prof. XU Zhengkui