

WCAM-2012

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Keynote Forum

Moderator:	Dr. Yunbing Wang,
	Moderator's Introduction
	Title: Dr. David C. Jiles,
	Title: Dr. Subhash C. Singhal,
	Title: Dr. Ken Reifsnider,
	Title: Dr. Chris Grovenor,
	Title: Dr. Alan K. T. Lau,
	Title: Dr. Mellin Liu,

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Session 1-1: Physical and Chemical Behaviors of Materials

Chair:	Dr. Xiongwei Ni,
Co-Chair:	Dr. Byron D. Gates,
	Chair's Introduction

	Keynote Speaker: Title: Dr. Dayang Wang,
	Title: Dr. Narayanaswami Ranganathan,
	Title: Dr. Kuang-Tsan Chiang,
	Coffee Break
	Title: Dr. Byron D. Gates,
	Title: Dr. Pierre F. P. Poudeu,

Session 1-2: Surface & Interface Science, Mesoporous and Catalysis of Materials

Chair:	Dr. Axel Knop-Gericke,
Co-Chair:	Dr. Jung-Chun-Andrew Huang,
	Chair's Introduction
	Title: Dr. Lenore L. Dai,
	Title: Dr. Maksym V. Kovalenko,
	Title: Dr. Jean-Luc Blin,
	Title: Dr. Tommy S. Horozov,
	Title:

Dr. Axel Knop-Gericke,

Coffee Break

Title:

Dr. Jung-Chun-Andrew Huang,

Title:

Dr. Maria Benedetta Casu,

Title:

Dr. Shu Seki,

Title:

Dr. Young-Uk Kwon,

Title:

	Title: Dr. Mohammed Ibn-Elhaj,
	Title: Dr. Wei Lee,
	Coffee Break
	Title: Dr. Daniel Guillon,

Session 1-4: Carbon, Graphite, and Graphene

Chair:	Dr. Karin Larsson,
	Chair's Introduction
	Title: Dr. Lelf Johansson,
	Title: Dr. Tsutomu Takamura,
	Title: Dr. Charliya Virojanadara,
	Dr. Yan Liu,
	Coffee Break
	Title: Dr. Karin Larsson,

Session 1-5: Material Oxidation, Corrosion and Control

Chair:	Dr. Tetsuo Shoji,
	Chair's Introduction

	Title: Dr. Hong Shih,
	Title: Dr. Jinshan Pan,
	Title: Dr. Tetsuo Shoji,

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Symposium 2: Leading-Edge Technologies for Materials (Part

	Title: Dr. Meishoku Masahara,
	Title: Dr. Syamsul Rizal Abd Shukor,

Symposium 2: Leading-Edge Technologies for Materials (Part II)

Chair:	
Co-Chair:	
	Chair's Introduction
	Title: Dr. Teruo Kanki,
	Title: Dr. Limin Qian,
	Title: Dr. Hirotaka Ihara,
	Title: Dr. Fablen Silly,
	Title: Dr. Hirokuni Jintoku,
	Coffee Break
	Title: Dr. Jens Gunster,

Symposium 2: Leading-Edge Technologies for Materials (Part III)

Chair:	Dr. Hanns-Ulrich Habermeler,
Co-Chair:	
	Chair's Introduction
	Keynote Speaker: Title:

	Dr. Silke Paschen,
	Title: Dr. S. J. Kennedy,
	Title: Dr. Charles Reichhardt,
	Title: Dr. Hanns-Ulrich Habermeier,
	Coffee Break
	Title: Dr. G. E. Remnev,
	Title: Dr. Xiaoming Sun,
	Title: Dr. Somashekhar S. Hiremath,

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Symposium 3: Chemical Reaction/Synthetic Methods, Welding and Joining/Brazing	
Chair:	Dr. Jean-Francois Gerard,
Co-Chair:	Dr. Emile Van Der Helde,
	Chair's Introduction
	Title: Dr. Wolfgang Kern,
	Title: Dr. Dusan Berek,
	Title: Dr. Marlies Van Bael,
	Title: Dr. Jean-Francois Gerard,

	Coffee Break
	Title: Dr. Emile Van Der Heide,
	Title: Dr. Xiangqiong Zeng,
	Title: Dr. Maria Zaharescu,

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Symposium 4: Material Property Characterization, Simulation and Control	
Chair:	Dr. Urs Meier,
Co-Chair:	Dr. Serguei V. Savilov,
	Chair's Introduction
	Title: Dr. Oleg V. Kolosov,
	Title: Dr. Alexander Hartmaier,
	Title: Dr. B. Fernandez,
	Title: Dr. Dimitris Kotzias,
	Title: Dr. Urs Meier,
	Coffee Break
	Title:

	Dr. Serguel V. Savilov,
	Title: Dr. Sergio I. Molina,
	Title: Dr. Yi Liu,
	Title: Dr. Yuji Baba,
	Title: Dr. Said Robles Casolco,

Session 5-1: Renewable/Recycling/ Photodegradable/Biodegradable Materials

Chair:	Dr. Leszek Moscicki,
Co-Chair:	Dr. Marko Likon,
	Chair's Introduction
	Title: Dr. Jeng-Haur Horng,
	Title: Dr. Caori Patricia Takeuchi,
	Title: Dr. Leszek Moscicki,
	Coffee Break
	Title: Dr. Marko Likon,
	Title: Dr. Andrzej Rejak,
	Title: Dr. Tomasz Oniszczyk,

Session 5-2: Magnetocaloric Materials

Chair: Dr. Slawomir Maksymilian Kaczmarek,

Co-Chair:

Chair's Introduction

Title:

Dr. Ekkes Bruck,

Title:

Dr. Joaquim M. Vieira,

Title:

	Title: Dr. Stanley Tsai,
	Title: Dr. Yoichiro Nakanishi,
	Title: Dr. Hidenori Mimura,

Session 6-1: Optoelectronic and Optical Materials(Part II)

Chair:	
	Chair's Introduction
	Title: Dr. Ray-Ming Lin,
	Title: Dr. Thanasat Sooksimuang,
	Title: Dr. Marek Grinberg,

Session 6-2: Organic Materials, Organic and Printed Electronics

Chair:	Dr. Bertram Batlogg,
Co-Chair:	
	Chair's Introduction
	Title: Dr. Tommi Vuorinen,
	Title: Dr. Antonio Cassinese,

	Title: Dr. Bertram Batlogg,
	Coffee Break
	Title: Dr. Taishi Takenobu,
	Title: Dr. Takafumi Sassa,
	Title: Dr. Jinting Jlu,
	Title: Dr. Manabu Yoshida,

	Title: Dr. Arghya Narayan Banerjee,
	Title: Dr. Ryosho Nakane,

Session 6-4: Superconductors

Chair:	Dr. Ming Shi,
Co-Chair:	
	Chair's Introduction
	Keynote Speaker: Title: Dr. Chris Grovenor,
	Title: Dr. Atsutaka Maeda,
	Title: Dr. Kristiaan Temst,
	Title: Dr. J. G. Noudem,
	Title: Dr. Ming Shi,
	Coffee Break
	Dr. Ernst Bauer,
	Title: Dr. Margriet J. Van Bael,
	Title: Dr. Wei Ku,
	Title: Dr. Jiangdi Fan,

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Session 6-5: Thin Films and Hard Magnetic Materials

Chair:	Dr. Frank Klose,
	Chair's Introduction
	Title: Dr. Hiroshi Naganuma,
	Title: Dr. Hai Song Woon,
	Title: Dr. Frank Klose,

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Session 7-1: Nano Magnetic Materials

Chair	Dr. Sunil K Sinha,
Co-Chair	Dr. Tseung-Yuen Tseng,
	Chair's Introduction
	Title: Dr. Yuji Furukawa,
	Title: Dr. Feroz Alam Khan,
	Title: Dr. Sunil K Sinha,
	Coffee Break
	Title: Dr. Tseung-Yuen Tseng,
	Title: Dr. Vojko Matko,
	Title: D

	Dr. Shien-Uang Jen,

Session 7-2: Nanotube and Nanostructured Materials

Chair:	Dr. Fabrice Gourbilleau,
Co-Chair:	Dr. Jonas Fransson,
	Chair's Introduction
	Title: Dr. Arne Rosen,
	Title: Dr. Hendrik Rothe,
	Title: Dr. Jun Chen,
	Title: Dr. Fabrice Gourbilleau,
	Coffee Break
	Title: Dr. Jonas Fransson,
	Title: Dr. Greta R. Patzke,
	Title: Dr. Yongqin Chang,
	Dr. Jianjun Chen,

Session 7-3: Nanocomposites

Chair	
Co-Chair:	

	Chair's Introduction
	Title: Dr. He Chaobin,
	Title: Dr. Virginia Martinez Martinez,
	Title: Dr. Soon-Gil Yoon,
	Coffee Break
	Title: Dr. Wen-Hsien LI,
	Title: Dr. P. K. Bajpa,
	Title: Dr. Nikoloz Jalabadze,

Symposium 8: New Catalytic Materials	
Chair:	Dr. H. J. Heeres,
Co-Chair:	Dr. Nora Ellzondo,
	Chair's Introduction
	Keynote Speaker: Title: Mr. Alak Bhattacharyya,
	Title: Dr. Mohammed M. Bettahar,
	Title: Dr. Nobuhito Imanaka,
	Title: Dr. Joseph A. Kocal,

	Title: Dr. H. J. Heeres,
	Coffee Break
	Title: Dr. Nora Ellzondo,
	Title: Dr. Julio A. Alonso,
	Title: Dr. Jian Luo,
	Title: Dr. Javier Carrasco,
	Title: Dr. Elena Evstigneeva,
	Title: Dr. M. Rafiuddin Ansari,

Symposium 9: Multifunctional Composites and Other Improved Materials

Chair	Dr. Guenter Stephani,
Co-Chair	Dr. Han Yong Jeon,
	Chair's Introduction
	Keynote Speaker: Title: Dr. Alan K. T. Lau,
	Title: Dr. Chung Hee Park,
	Title:

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Symposium 10: Smart Materials	
Chair:	Dr. Oliver Brueggemann,
Co-Chair:	Dr. Veronique Vitry,
	Chair's Introduction
	Title: Dr. Ghislain Montavon,
	Title: Dr. Jui-Ming Yeh,
	Title: Dr. Oliver Brueggemann,
	Coffee Break
	Title: Dr. Veronique Vitry,
	Title: Dr. Toshiyuki Ueno,
	Title: Dr. Taeyoon Lee,

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Symposium 11: Biomaterials	
Chair:	Dr. Heinz C. Schroder,
Co-Chair:	Dr. Kuo-Kang Liu,
	Chair's Introduction
	Title: Dr. Saion K. Sinha,

	Title: Dr. Hossein Hosseinkhani,
	Title: Dr. Heinz C. Schroder,
	Coffee Break
	Title: Dr. Kuo-Kang Liu,
	Title: Dr. Cynthia M. Gomes,
	Title: Dr. Tariq Alghazzawi,
	Title: Dr. Liga Berzina-Cimdina,

12 Materials for New Energy

Session 12-1: Materials for Solar Energy, Hydrogen Storage and Nuclear Energy	
Chair:	Dr. Zhiqun Lin,
Co-Chair	Dr. Barbara Bonelli,
	Chair's Introduction
	Title: Dr. Christian Pettenkofer,
	Title: Dr. Duncan H. Gregory,

	Title: Dr. Sergei Ponomarenko,
	Title: Dr. Zhiqun Lin,
	Coffee Break
	Title: Dr. Barbara Bonelli,
	Title: Dr. Tatsuo Shikama,
	Title: Dr. Elke Meissner,
	Title: Dr. Goran Drazic,

Session 12-2: Materials for Fuel Cells, Primary Battery and Secondary Battery

Chair:	Dr. Zhun Ma,
Co-Chair:	
	Chair's Introduction
	Keynote speaker: Title: Dr. Meilin Liu,
	Coffee Break
	Title: Dr. Fride Vullum-Bruer,
	Title: Dr. Helene Rouault,

	Qianchao Mao
	Title: Hanieh Ghadimi,
	Title: Dr. Qing-Gong Zhu,