

PRICM

CALL FOR PAPERS

**THE 8TH PACIFIC RIM INTERNATIONAL CONGRESS
ON ADVANCED MATERIALS AND PROCESSING**

August 4-9, 2013

Waikoloa, Hawaii USA

About PRICM-8

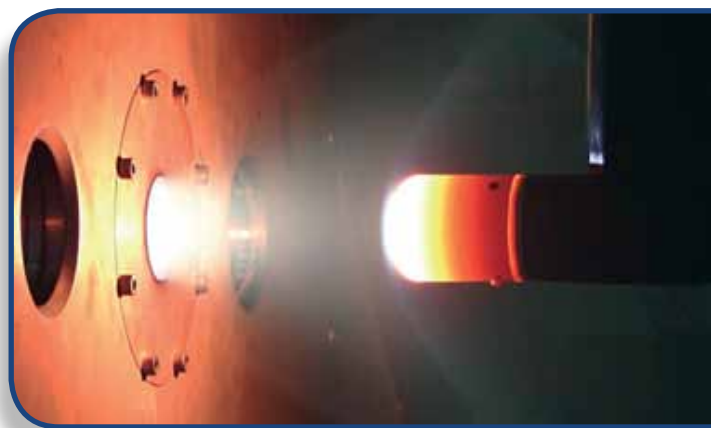
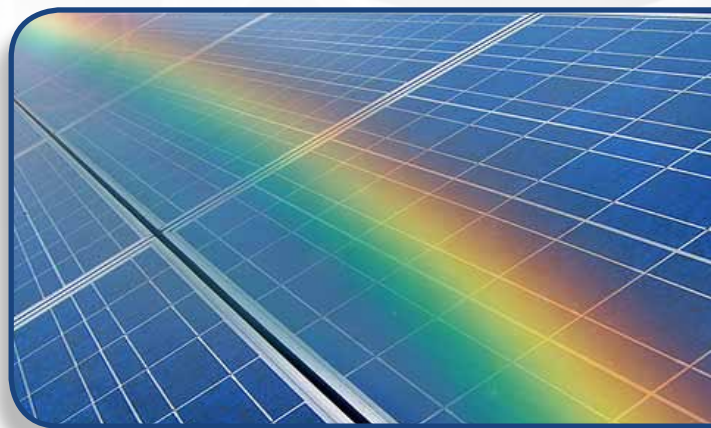
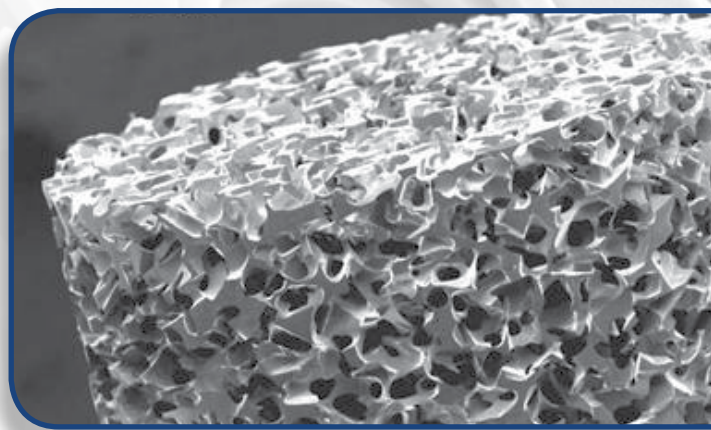
This triennial congress is the eighth in a series of international forums dedicated to advanced materials and processing. The congress is jointly organized and sponsored by the Chinese Society for Metals (CSM), the Japan Institute of Metals (JIM), the Korean Institute of Metals and Materials (KIM), Materials Australia (MA), and The Minerals, Metals & Materials Society (TMS), with each society taking a turn as host. TMS will be the host organization for PRICM-8, which will be held at the Hilton Waikoloa Village in Waikoloa, Hawaii, situated in the middle of the Pacific Rim Region on the Kohala Coast on the Big Island of Hawaii.

The purpose of PRICM is to provide an attractive forum for the exchange of scientific and technological information on materials and processing. Topics include:

- Materials for Energy
- Materials for the Environment
- Advanced High-Temperature Structural Materials
- Advanced Steels and Processing
- Light Metals and Alloys
- Composites and Hybrid Materials
- Biomaterials, Smart Materials, and Structures
- Rare Earth, Electronic, and Magnetic Materials
- Thin Films and Surface Engineering
- Materials and Processes for Enhanced Performance
- Solidification, Deformation and Related Processing
- Modeling and Simulation of Processes, Microstructures, and Behavior
- Bulk Metallic Glasses, Nanocrystalline Materials, and Ultrafine-Grain Materials
- Advanced Materials Characterization and Evaluation
- Advanced Neutron and Synchrotron Studies of Materials

Organized and Sponsored by:

The Chinese Society for Metals (CSM)
The Japan Institute of Metals (JIM)
The Korean Institute of Metals and Materials (KIM)
Materials Australia (MA)
The Minerals, Metals & Materials Society (TMS)



Abstract Submission Deadline Extended: January 31, 2013
www.programmaster.org/PRICM8 • www.tms.org/meetings/pricm8

PRICM



THE 8TH PACIFIC RIM INTERNATIONAL CONGRESS ON ADVANCED MATERIALS AND PROCESSING

**For general information
regarding PRICM-8, contact:**

TMS Meeting Services
184 Thorn Hill Road
Warrendale, PA 15086-7514 USA
Telephone (724) 776-9000, Ext. 243
Fax: (724) 776-3770
Email: mtgserv@tms.org

To participate, contact your Regional Congress Organizer Representative.

Congress Honorary Chair

- **Elizabeth Holm**, Sandia National Laboratories [eaholm@sandia.gov]

Congress Organizing Chair

- **Fernand Marquis**, Naval Postgraduate School [fdmarqui@nps.edu]

TMS Organizational Liaison

- **James Robinson**, TMS [robinson@tms.org]
- **Louise Wallach**, TMS [lwallach@tms.org]

CHINESE SOCIETY FOR METALS (CSM) APPOINTMENTS

CSM In-Country Technical Representative

- **Chengjia Shang**, University of Science and Technology Beijing [cshang@mater.ustb.edu.cn]

CSM International Organizing Committee Members

- **Pei Zhao**, The Chinese Society for Metals [zp@csm.org.cn]
- **Xishan Xie**, University of Science and Technology Beijing [xishanxie@mater.ustb.edu.cn]
- **Yafang Han**, Beijing Institute of Aeronautical Materials [yfhan@buaa.edu.cn]

CSM International Advisory Board Members

- **Changxu Shi**, Chinese Academy of Sciences [csmoffice@csm.org.cn]
- **Yuqing Weng**, Chinese Society for Metals [csmoffice@csm.org.cn]
- **Zengyong Zhong**, Chinese Society for Metals [zzy@csm.org.cn]

JAPAN INSTITUTE OF METALS (JIM) APPOINTMENTS

JIM In-Country Technical Representative

- **Tomoyuki Kakeshita**, Osaka University [kakesita@mat.eng.osaka-u.ac.jp]

JIM International Organizing Committee Members

- **Tadashi Furuhashi**, Institute of Materials Research, Tohoku University [furuhashi@imr.tohoku.ac.jp]
- **Haruyuki Inui**, Kyoto University [haruyuki.inui@materials.mbox.media.kyoto-u.ac.jp]

JIM International Advisory Board Members

- **Yoshinao Mishima**, Tokyo Institute of Technology [mishima.y.ab@m.titech.ac.jp]
- **Shuichi Miyazaki**, University of Tsukuba [miyazaki@irms.tsukuba.ac.jp]

KOREAN INSTITUTE OF METALS AND MATERIALS (KIM) APPOINTMENTS

KIM In-country Technical Representative

- **Do Hyang Kim**, Yonsei University [dohkim@yonsei.ac.kr]

KIM International Organizing Committee Members

- **Dong Hyuk Shin**, Hanyang University [dhshin@hanyang.ac.kr]
- **Kwang Seon Shin**, Seoul National University [ksshin@snu.ac.kr]
- **Chong Soo Lee**, POSTECH [cslee@postech.ac.kr]

KIM International Advisory Board Members

- **Young Won Chang**, POSTECH [ywachang@postech.ac.kr]
- **Nack Joon Kim**, POSTECH [njkim@postech.ac.kr]
- **Jun Hwa Hong**, Korea Atomic Energy Research Institute [jhhong@kaeri.re.kr]

MATERIALS AUSTRALIA (MA) APPOINTMENTS

MA In-Country Technical Representative

- **Jian-Feng Nie**, Monash University [jianfeng.nie@monash.edu]

MA International Organizing Committee Members

- **Allan Morton**, CSIRO [Allan.Morton@csiro.au]
- **Simon Ringer**, The University of Sydney [simon.ringer@sydney.edu.au]
- **Mal Couper**, Monash University [malcolm.couper@monash.edu]

MA International Advisory Board Members

- **George Collins**, CAST CRC [g.collins@cast.org.au]
- **Peter Hodgson**, Deakin University [peter.hodgson@deakin.edu.au]
- **Jim Williams**, The Australian National University [jsw109@physics.anu.edu.au]

THE MINERALS, METALS & MATERIALS SOCIETY (TMS) APPOINTMENTS

TMS In-Country Representative

- **Fernand Marquis**, Naval Postgraduate School [fdmarqui@nps.edu]

TMS International Organizing Committee Members

- **Marc Meyers**, University of California at San Diego [mameyers@eng.ucsd.edu]
- **Naresh Thadhani**, Georgia Institute of Technology [naresh.thadhani@mse.gatech.edu]

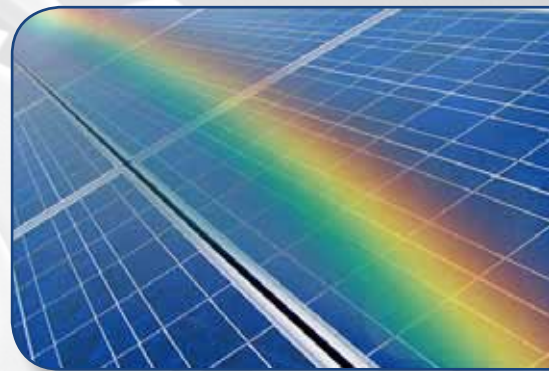
TMS International Advisory Board Members

- **Diran Apelian**, Worcester Polytechnic Institute [dapelian@wpi.edu]
- **David Bourell**, University of Texas [dbourell@mail.utexas.edu]
- **George T. "Rusty" Gray**, Los Alamos National Laboratory [rusty@lanl.gov]

About the Venue

PRICM-8 is being held at the Hilton Waikoloa Village in Waikoloa, Hawaii, providing convenient access to the various Pacific Rim countries.

PRICM



THE 8TH PACIFIC RIM INTERNATIONAL CONGRESS ON ADVANCED MATERIALS AND PROCESSING

Pricm8 Symposia Organizers

Materials for Energy

- Shixue Dou, University of Wollongong, shi@uow.edu.au
- Akihiko Kimura, Kyoto University, kimura@iae.kyoto-u.ac.jp
- ZHOU Shaoxiong, Central Iron and Steel Research Institute, sxzhou@atmrcn.com
- Young Hwan Cho, Korean Institute of Science and Technology, oze@kist.re.kr
- Renkun Chen, University of California San Diego, rec001@ucsd.edu

Materials for the Environment

- Rachel Caruso, The University of Melbourne, rcaruso@unimelb.edu.au
- Shinji Fujimoto, Osaka University, fujimoto@mat.eng.osaka-u.ac.jp
- SHANG Chengjia, University of Science and Technology Beijing, cjshang@ustb.edu.cn
- Bong Sun Yoo, KIMS, bsyou@kims.re.kr
- William Tumas, National Renewable Energy Laboratory, bill.tumas@nrel.gov

Advanced High-Temperature Structural Materials

- Julie Cairney, University of Sydney, j.cairney@usyd.edu.au
- Haruyuki Inui, Kyoto University, inui.haruyuki.3z@kyoto-u.ac.jp
- ZHANG Guoqing, Beijing Institute of Aeronautical Materials, guoqing.zhang@biam.ac.cn
- Kyung Tae Park, Hanbat University, ktpark@hanbat.ac.kr
- Eugene Olevsky, San Diego State University, eolevsky@mail.sdsu.edu

Advanced Steels and Processing

- Rian Dippenaar, University of Wollongong, rian@uow.edu.au
- Kaneaki Tsuzaki, National Institute of Materials Science, tsuzaki.kaneaki@nims.go.jp
- DONG Han, Central Iron and Steel Research Institute, donghan@nercast.com
- Sung Joon Kim, POSTECH, sjkim1@postech.ac.kr
- Kip Findley, Colorado School of Mines, kfindley@mines.edu

Light Metals and Alloys

- Jian-Feng Nie, Monash University, Jianfeng.Nie@monash.edu
- Yoshihito Kawamura, Kumamoto University, rivervil@gpo.kumamoto-u.ac.jp
- ZHAO Yongqing, Northwest Institute For Nonferrous Metal Research, trc@c-nin.com
- Kwang Seon Shin, Seoul Nat. University, ksshin@snu.ac.kr
- Suveen Mathadhu, US Army Research Office, suveen.n.mathadhu.civ@mail.mil

Composites and Hybrid Materials

- Yuri Estrin, Monash University, yuri.estrin@monash.edu
- Yutaka Kagawa, University of Tokyo, kagawa@rcast.u-tokyo.ac.jp
- ZHANG Di, Shanghai Jiao Tong University, zhangdi@sjtu.edu.cn
- Jae Chul Lee, Korea University, jcllee001@korea.ac.kr
- Nikhilesh Chawla, Arizona State University, nikhilesh.chawla@asu.edu

Biomaterials, Smart Materials, and Structures

- Anita Hill, CSIRO, anita.hill@csiro.au
- Takayuki Narushima, Tohoku University, narut@material.tohoku.ac.jp
- JIANG Chengbao, BeiHang University, jiangcb@buaa.edu.cn
- Byong Taek Lee, Soonchunhyang University, lbt@sch.ac.kr
- Roger Narayan, North Carolina State University, roger_narayan@ncsu.edu

Rare Earth, Electronic, and Magnetic Materials

- Mark Ridgway, Australian National University, Mark.Ridgway@anu.edu.au
- Koki Takanashi, Tohoku University, koki@imr.tohoku.ac.jp
- LI WEI, Central Iron and Steel Research Institute, weil@public3.bta.net.cn
- Woo Young Lee, Yonsei University, wooyoung@yonsei.ac.kr
- Sunggho Jin, University of California San Diego, jin@ucsd.edu

Thin Films and Surface Engineering

- Mingxing Zhang, University of Queensland, mingxing.zhang@uq.edu.au
- Takashi Goto, Tohoku University, goto@imr.tohoku.ac.jp
- DONG Chuang, Dalian University of Technology, dong@dlut.edu.cn
- Kyung Ho Shin, KIST, kshin4599@gmail.com
- Amit Misra, Los Alamos National Laboratory, amisra@lanl.gov

PRICM



THE 8TH PACIFIC RIM INTERNATIONAL CONGRESS ON ADVANCED MATERIALS AND PROCESSING

Pricm8 Symposia Organizers (cont.)

Materials and Processes for Enhanced Performance

- Robert O'Donnell, CSIRO, Robert.Odonnell@csiro.au
- Yoshimi Watanabe, Nagoya Institute of Technology, yoshimi@nitech.ac.jp
- ZHANG Jishan, University of Science and Technology Beijing, zhangjs@skl.ustb.edu.cn
- Young Kook Lee, Yonsei University, yklee@yonsei.ac.kr
- Jie Liu, Duke University, j.liu@duke.edu

Solidification, Deformation and Related Processing

- Yinong Liu, University of Western Australia, yinong.liu@uwa.edu.au
- Hiroyuki Yasuda, Osaka University, yasuda@ams.eng.osaka-u.ac.jp
- JIE Wang, Northwestern Polytechnical University, jwq@nwpu.edu.cn
- Prof. Hyong Seop Kim, POSTECH, hskim@postech.ac.kr
- Zak Fang, University of Utah, zak.fang@utah.edu

Modeling and Simulation of Processes, Microstructures, and Behavior

- Graeme Murch, University of Newcastle, Graeme.Murch@newcastle.edu.au
- Tetsuo Mohri, Hokkaido University, tmohri@eng.hokudai.ac.jp

- LI Dianzhong, Institute of Metal Research Chinese Academy of Sciences, dzli@imr.ac.cn
- Won Tae Kim, Chungju University, wontae@cju.ac.kr
- Jose A Caro, Los Alamos National Laboratory, caro@lanl.gov

Bulk Metallic Glasses, Nanocrystalline Materials, and Ultrafine-Grain Materials

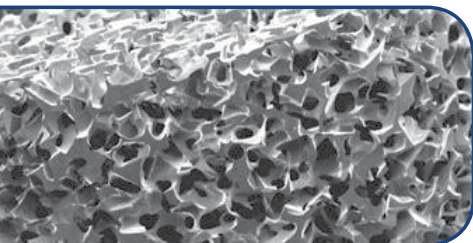
- Michael Ferry, University of New South Wales, m.ferry@unsw.edu.au
- Nobuhiro Tsuji, Kyoto University, nobuhiro-tsuji@mtl.kyoto-u.ac.jp
- ZHANG Yue, University of Science and Technology Beijing, yuezhang@ustb.edu.cn
- Eun Soo Park, Seoul Nat. University, espark@snu.ac.kr
- Yuntian Zhu, North Carolina State University, yzhu@ncsu.edu

Advanced Materials Characterization and Evaluation

- Jin Zou, University of Queensland, j.zou@uq.edu.au
- Sho Matsumura, Kyushu University, syo.nucl.kyushu-u.ac.jp
- HAN Xiaodong, Beijing University of Technology, xdhan@bjut.edu.cn
- Dong Il Kwon, Seoul Nat. University, dongilk@snu.ac.kr
- Alexis Lewis, Naval Research Laboratory, alexis.lewis@nrl.navy.mil

Advanced Neutron and Synchrotron Studies of Materials

- Klaus-Dieter Liss, Australian National Nuclear Research and Development Organization, kdl@ansto.gov.au
- Masato Ohnuma, National Institute of Materials Science, HNUMA.Masato@nims.go.jp
- SHANG Chengjia, University of Science and Technology Beijing, cjshang@ustb.edu.cn
- Baek Seok Seong, KAERI, bsseong@kaeri.re.kr
- Rozaliya Barabash, Oak Ridge National Laboratory, barabashr@ornl.gov



Abstract Submission

Deadline Extended: January 31, 2013

www.programmaster.org/PRICM8

www.tms.org/meetings/pricm8