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News & Update

Young Leader Award Deadline Changed; Last Call for ICME Congress, PRICM-8

Deadline Moved up for Young Leader Award
Apply by August 15

Positive changes are afoot for the TMS Young Leader Professional Development Award program this year.

TMS will be adding 10 more awards to the program for 2014, increasing the total number of awards to be offered from 20 to 30. Young Leader Award winners receive complimentary registration, accommodations, and a travel allowance to attend the TMS Annual Meeting and Exhibition, and have the opportunity to participate in TMS Board of Directors and Division Council meetings. Young Leader Award winners are also asked to participate in a number of other related events and activities in order to provide leadership, enhance their own professional development and contacts, and to serve as role models and mentors for student members and other early career professionals.

In the past, the traditional fall deadline for the award application did not give some Young Leader Award winners enough time to submit an abstract for consideration as a presentation at the TMS Annual Meeting, since they had not been sure that they would have the funding to attend. For this reason, **TMS has moved up the deadline date to August 15, 2013.**

Any professional, non-student TMS member under the age of 40 is eligible to apply for the Young Leader Professional Development Award. For additional information and to download an application, go to *http://www.tms.org/YoungLeaders/YLintern.aspx*.

Leon Prentice, Senior Research Engineer, CSIRO, Australia, and 2013 Light Metals Division Young Leader Professional Development Award Winner.

Also, check out the February 2013 *JOM* article, "Lead On: TMS Expands Opportunities for Young Professionals," for first-person perspectives on the value and impact of winning this award. The article can be accessed at *http://link.springer.com/article/10.1007/s11837-013-0556-9*.

Last Call to Register for TMS Summer 2013 Conferences:
2nd ICME Congress and PRICM-8

The 2nd World Congress on Integrated Computational Materials Engineering (ICME) will take place from July 7–11 in Salt Lake City, Utah. Building on the success of the First World Congress held in 2011, this is widely viewed as the premier event for convening the community of ICME practitioners—including researchers, educators, and engineers—to capture the current state-of-the-art, identify gaps in ICME efforts, and set the stage for future growth and application of ICME worldwide.

Internationally recognized leaders in the development, implementation, and advancement of ICME are slated to speak at the opening, plenary, and closing sessions. A highly interactive technical program offers ample opportunities for discussion and idea exchange on an array of topics, ranging from foundational engineering problems addressed by ICME to data management issues.

For additional information and to register, go to *www.tms.org/icme2013*.

The deadline to receive the best housing and conference rates is June 14.

Another summer conference that is not to be missed is the Pacific Rim International Conference on Advanced Materials and Processing (PRICM-8), scheduled from August 4–9 at the Hilton Waikoloa Village, Hawaii. Taking place every three years, PRICM-8 is considered one of the best international forums for learning, networking, and scholarship on advanced materials and processing, with this year's technical program being built from more than 1700 submitted abstracts. 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

PRICM is jointly organized and sponsored by Chinese Society for Metals, the Japan Institute of Metals, the Korean Institute of Metals and Materials, Materials Australia, and TMS. TMS is the host organization for PRICM-8.

To register, go to the PRICM-8 website at *www.tms.org/meetings/pricm8*.

TMS 2013 Industrial Aluminum Electrolysis Course Travels to Qatar

The TMS 2013 Industrial Aluminum Electrolysis course will take place from October 20–24 in Doha, Qatar. Geared to technical and project managers, superintendents, supervisors, and operators of Hall-Héroult cells, and developers of primary aluminum production technology, the course will provide a comprehensive understanding of the electrolysis process, as well as an overview of state-of-the-art aluminum production. A highlight of the course will be a tour of Qatalum, a joint venture between Qatar Petroleum and Hydro Aluminium. Qatalum produces 585,000 tons of high-quality primary aluminum products per annum from twin 1.2 kilometer potlines. Qatalum's facilities include a carbon plant, port and storage facilities, as well as a captive power plant.

For additional information and to register online, go to *http://www.tms.org/meetings/2013/IndustrialAluminumElectrolysis/home.aspx*.

Registration Opens for Carbon Management Technology Conference

Register today for the Carbon Management Technology Conference (CMTC 2013), set for October 21– 23, 2013 in Alexandria, Virginia. CMTC 2013 is intended to draw professionals from all engineering disciplines to share their expertise on the reduction of greenhouse gas emissions and adaptation to a changing climate. Experts will share their findings and experience in meeting carbon management challenges within the following topics:

Carbon capture, utilization and storage:

- Issues in assessing CCS economics
- CCS case studies
- Counting sequestered carbon: CCS/EOR conversion
- Counting sequestered carbon: CCS
- CCS regulatory and policy
- Effects of CCS on the energy water nexus

Carbon management pathways from electricity generation to end-use:

- Status, progress, and prospects for reducing carbon emissions associated with electricity generation, transmission, and distribution
- LCA pathways for reducing emissions within the boundaries of the entire system, from generation sources to consumer end-use
- Roles and impacts of renewables, distributed generation, microgrids, plug-in transportation, energy storage, and the smart grid
- Regulatory issues, market vs. system efficiency, and unintended consequences

Potentially game-changing technology and evaluation:

- New and revised technologies for carbon mitigation and greater sustainability
- Role of computational modeling in carbon management
- Evaluation and modeling of GHGs
- Factors in developing carbon mitigation strategies
- Addressing changes to education and training for carbon mitigation implementation
- Non-technical issues surrounding carbon mitigation

Engineering challenges and solutions for adaptation to climate change:

- Impacts of climate, weather and extreme events on demands for and performance of engineered systems
- Needs for and advances in vulnerability assessments and risk analyses, measurement tools and protocols, and engineered materials, products, systems and services
- Adaptation initiatives, programs and case studies

Registration is now open at the conference website at *http://fscarbonmanagement.org/content/cmtc-2013*. TMS is one of eight professional engineering societies involved with organizing this important event.

SEELEY MUDD GRANT SUPPORTS TMS YOUNG PROFESSIONALS PROGRAMS

The Seeley W. Mudd Memorial Fund of the American Institute of Mining, Metallurgical, and Petroleum Engineers (AIME) has awarded TMS a $10,000 grant for development of programming and resources geared to young professionals. TMS collaborated with the other member societies of AIME—the Society for Mining, Metallurgy, and Exploration; the Society of Petroleum Engineers; and the Association for Iron and Steel Technology—to submit the grant proposal. The funding support, according to the proposal, is intended "to create new value and opportunity to enhance the skills development for young professionals within each of the four AIME Member Societies." Like TMS, the other societies named in the proposal will be awarded $10,000.

Established in 1929, the Seeley Mudd Memorial Fund is the largest fund AIME manages. It was established in memory of Colonel Seeley W. Mudd, who is still widely recognized for his contributions to the growth of such famous mining enterprises as the Ray Consolidated Copper Co., Texas Gulf Sulphur Co., and Cyprus Mining Corp. The fund seeks to perpetuate Colonel Mudd's lifelong commitment to benefiting and supporting newcomers to the mining industry.