

CALENDAR

Upcoming Meetings:

October 4–7, **Functionalized Nanobiomaterials for Medical Applications, MRS**
 October 4–7, **Photovoltaic Materials and Manufacturing Issues, MRS**
 October 17–21, **TCM 2010, Endorsed**
 November 29–December 3, **2010 MRS Fall Meeting, MRS**

To list an event in the Calendar, contact Robin Nazaruk, Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086-7573; 724-779-2756; fax 724-779-8313; MeetingsCalendar@mrs.org.

See the July 2010 MRS BULLETIN for September 2010 Calendar entries. For updates, access www.mrs.org.

- ▼ identifies a new or revised entry this month.
- "Endorsed" identifies events endorsed by MRS.
- MRS, A-MRS, B-MRS, C-MRS, E-MRS, MRS-A, MRS-I, MRS-J, MRS-K, MRS-R, MRS-S, MRS-T, M-MRS, or IUMRS at the end of an entry indicates a joint meeting or sponsorship or co-sponsorship of an event by the International Union of Materials Research Societies or one of its adhering bodies.

OCTOBER 2010

3–6 49th Annual Conf. of Metallurgists, *Vancouver, Canada*. www.metsoc.org/com2010.

4–7 **Functionalized Nanobiomaterials for Medical Applications, Denver, CO**. 724-779-3003; info@mrs.org; www.mrs.org/nanobio. **MRS.**

4–7 Nuclear Materials 2010 (NuMat 2010), *Karlsruhe, Germany*. Kelly Rogers; 44-1865-843181; fax 44-1865-843907; k.rogers@elsevier.com; www.nuclearmaterials2010.com.

4–7 **Photovoltaic Materials and Manufacturing Issues, Denver, CO**. 724-779-3003; info@mrs.org; www.mrs.org/photovoltaic_materials. **MRS.**

10–13 7th Intl. Symp. on Superalloy 718 and Derivatives, *Pittsburgh, PA*. TMS Meeting Services, 184 Thorn Hill Rd., Warrendale, PA 15086-7514; 724-776-9000, ext. 243; fax 724-776-3770; mtgserv@tms.org; www.tms.org/Meetings/Specialty/superalloys2010.

10–14 PM2010 World Congress and Exhibition on Powder Metallurgy, *Florence, Italy*. European Powder Metallurgy Association, 2nd Floor, Talbot House, Market St., Shrewsbury, SY1 1LG, UK; 44-1743-248899; fax 44-1743-362968; info@epma.com; www.epma.com/pm2010.

10–15 Electrochemical Society Meeting Fall 2010 (ECS), *Las Vegas, NV*. ECS, 65 S. Main St. Bldg. D, Pennington, NJ, 08534-2839; 609-737-1092; fax 609-737-2743; ecs@electrochem.org; www.electrochem.org/meetings/biannual/218/218.htm.

11–15 ▼ 10th Intl. Meeting on Information Display/Intl. Display Manufacturing Conf. (iMID/IDMC) and Asia Display 2010, *Kintex, Seoul, Korea*. Secretariat; kids@k-ids.or.kr; www.imid.or.kr/main/main.html.

12–13 26th Intl. Activated Carbon Conf. (IACC-26), *Pittsburgh, PA*. Henry Nowicki, PACS, Inc., Coraopolis, PA 15108; 800-367-2587; Henry@pacslabs.com; <http://pacslabs.com/conferences/iacc/iacc26.php>.

14–16 NanoCarbon 2010 Symp., *Nanjing, China*. Intl. Vacuum Electron Sources Conf. (IVESC) 2010 Secretariat, School of Electronic Science and Engineering, Sout, Nanjing, 210096, China; 86-25-83792449-803; fax 86-25-83363222; ivesc-nanocarbon2010@pub.seu.edu.cn; <http://ivesc-nanocarbon2010.seu.edu.cn>.

17–21 **3rd Intl. Symp. on Transparent Conductive Materials (TCM 2010), Crete, Greece**. Margarita Mpalothiaris; 300-2810-391910; info@mitos.com.gr; www.tcm2010.org. **Endorsed.**

17–21 37th Federation of Analytical Chemistry and Spectroscopy Societies 2010 (FACSS 2010), *Raleigh, NC*. Federation of Analytical Chemistry and Spectroscopy, PO Box 24379, *Santa Fe, NM* 87502, USA; 505-820-1648; facss@facss.org; <http://facss.org>.

17–21 Materials Science and Technology 2010 Conf. and Exhibition (MS&T'10), *Houston, TX*. <http://matstech.org>.

17–22 American Vacuum Society 57th Intl. Symp. Exhibition (AVS), *Albuquerque, NM*. AVS National Office; 212-248-0200; info57@avs.org; www.2avs.org/symposium.

18–21 2010 Fuel Cell Seminar and Exposition, *San Antonio, TX*. Fuel Cell Seminar and Exposition, c/o South Carolina Hydrogen and Fuel Cell Alliance, PO Box 12302, Columbia, SC 29201; 803-737-8031; fuelcellseminar@schydrogen.org; www.fuelcellseminar.com.

19 ▼ Advancements in Thermal Management 2010, *Dallas, TX*. Julie Williams; juliew@infowebcom.com; www.thermalnews.com/conf_10/TN10_index.php.

19–20 ▼ Antenna Systems 2010, *Dallas, TX*. Marsha Grillo; marshag@infowebcom.com; www.antennasonline.com/AST-Conf10/ast10_index.php.

19–20 ▼ Battery Power 2010, *Dallas, TX*. Marsha Grillo; marshag@infowebcom.com; www.batterypoweronline.com/bppt-conf10/bp10_index.php.

19–20 ▼ Energy Efficiency Expo 2010, *Dallas, TX*. Marsha Grillo; marshag@infowebcom.com; www.energyefficiencyexpo2010.com.

19–20 ▼ Remote 2010 Conf. and Expo, *Dallas, TX*. Marsha Grillo; marshag@infowebcom.com; www.remotemagazine.com/rem-conf10/rem10_index.php.

19–21 ▼ 5th Intl. Conf. on Surfaces, Coatings and Nanostructured Materials (NANOSMAT 5), *Reims, France*. NANO-SMAT-5 Conf. Secretariat; INNOSPACE, 2nd Floor, Minshull House, Chorlton St., Manchester, M1 3FY, UK; 44-161-921-8172; fax 44-161-247-6820; info@nanosmat-conference.com; www.nanosmat-conference.com.

19–21 SEMICON Europa 2010, *Dresden, Germany*. Beat Müller; 32-2-289-6490; fax 32-2-511-4345; bmueller@semi.org; www.semiconeuropa.org/index.htm.

19–22 5th Intl. Conf. of Surface and Interface Science and Engineering, *Singapore*. Lorraine Lee, The Singapore Surface Engineering Association, 190 Middle Rd., No. 19-05 Fortune Ctr., Singapore, 188979; 65-6826-1249; fax 65-6826-1247; secretary@aseansurfing.org; <http://aseansurfing.org/conference/corp1.htm>.

20–21 ▼ 2010 Particle Summit, *Boston, MA*. Marisa Fraser; Malvern Instruments Inc., 117 Flanders Rd., Westborough, MA 01581-1042; 508-768-6400; fax 508-768-6403; marisa.fraser@malvern.com; <http://particlesummit.org>.

21–24 11th Intl. Young Scientists Conf. Optics and High Technology Material Science SPO 2010, *Kyiv, Ukraine*. Valentyn Stadnytskyi, TSNUK, Faculty of Physics, Chair of Optics, Volodymyrska Str., 64, Kyiv, 01601, Ukraine; V.Stadnytskyi@gmail.com; <http://spo.univ.kiev.ua>.

24–28 Frontiers in Optics 2010/Laser Science XXVI, *Rochester, NY*. The Optical Society, 201 Massachusetts Ave. NW, Washington, DC 20036; 202-416-1907; fax 202-416-6140; custserv@osa.org; www.frontiersinoptics.com.

24–29 ▼ 8th Hellenic Polymer Society Symp. (H-POL8), *Hersonissos, Crete, Greece*. Margarita Chatzichristidis; 30-210-7274335; fax 30-210-7221800; mchatzi@chem.uoa.gr; www.mitos.com.gr/conferences/hadjichristidis/index.html.

25–29 Intl. Conf. on Magnetic Materials (ICMM 2010), *Kolkata, India*. Amitabha Ghoshray, Saha Institute of Nuclear Physics, 1/AF, Bidhannagar, Kolkata, 700 064, India; 91-33-23374321, ext. 2462, 2134; fax 91-33-23374637; icmm.2010@saha.ac.in; www.saha.ac.in/cs/icmm.2010/web/Home_Page.htm.

26–29 European Optical Society Annual Meeting (EOSAM 2010), *Paris, France*. Judith Herzog, EOS, Hollerithallee 8, Hannover, 30419, Germany; 49-511-2788-159; fax 49-511-2788-119; paris@myeos.org; www.myeos.org/events/eosam2010.

NOVEMBER 2010

1–3 ▼ 5th Asian Conf. on Nanoscience and Nanotechnology (AsiaNano 2010), *Tokyo, Japan*. Naoko Mitsuzawa; secretariat@asianano2010.org; <http://asianano2010.org>.

1–4 9th Annual IEEE Conf. on Sensors, Waikoloa, HI. IEEE Sensors 2010 Conf., Preferred Meeting Management, Inc., 307 Laurel St., *San Diego, CA*. 92101-1430; 619-232-9499; fax 619-232-0799; info@ieee-sensors2010.org; www.ieee-sensors2010.org.

7–12 10th Intl. Conf. on the Chemistry and Biology of Mineralized Tissues (ICCBMT 2010), *Scottsdale, AZ*. Janet Moradian-Oldak, University of Southern California, 2250 Alcazar St., *Los Angeles, CA* 90033; 323-442-1759; fax 323-442-2981; joldak@usc.edu; www.iccbmt.org.

8–9 Practical Solutions for Wear and Corrosion Problems Symp., *São Paulo, Brazil*. ASM Member Services, 9639 Kinsman Rd., Materials Park, OH 44073-0002; 440-338-5151, ext. 0; fax 440-338-4634; memberservicecenter@asminternational.org; <http://asmcommunity.asminternational.org/content/Events/corrosionwear>.

8–10 2010 IEEE Intl. Conf. on Technologies for Homeland Security (IEEE HST'10), *Waltham, MA*. Rashmi Nelson; 516-902-7296; rnelson46@gmail.com; www.ieee-hst.org.

9–12 ▼ 6th Intl. Conf. on Physical and Numerical Simulations (ICPNS'2010), *Guilin, China*. Jitai Niu; ICPNS2010@gmail.com; www.icpns.org.

11–13 15th Intl. Metallurgy and Materials Congress (IMMC 2010), *Istanbul, Turkey*. UCTEA Chamber of Metallurgical Engineers, Hatay Sokak No: 10/9, Kizilay 06650, Ankara, Turkey; 90-312-425-41-60; 90-312-419-38-18; fax 90-312-418-93-43; e-mail oda@metalurji.org.tr; www.metalurji.org.tr/congress.

12–13 Technology Transfer Society Annual Conf., *Washington, DC*. Al Link; 336-854-9431; anlink@uncg.edu; <http://business.gwu.edu/t2s>.

14–17 2010 Intl. Conf. on Planarization/CMP Technology (2010 ICPT), *Phoenix, AZ*. Della Miller, AVS, 110 Yellowstone Dr., Ste. 120, *Chico, CA* 95973; 530-896-0477; fax 530-896-0487; della@avs.org; www.2avs.org/conferences/ICPT/index.htm.

14–18 36th Intl. Symp. for Testing and Failure Analysis (ISTFA), *Dallas, TX*. ASM Member Services, 9639 Kinsman Rd., Materials Park, OH 44073-0002; 440-338-5151, ext. 0; fax 440-338-4634; memberservicecenter@asminternational.org; <http://asmcommunity.asminternational.org/content/Events/istfa>.

14–18 55th Conf. on Magnetism and Magnetic Materials (MMM 2010), *Atlanta, GA*. magnet@aip.org; www.magnetism.org.

19–21 ▼ Nanotech India 2010, *Kochi, India*. George Varughese, AG Nanotech Impex India Pvt. Ltd., 65/ 2852, Kurian Tower, Banerji Rd., Cochin-682018, Kerala, India; 91-484-2395553; fax 91-484-2398553; info@nanotechindia.in; www.nanotechindia.in.

21–24 ▼ Intl. Conf. on Electronic Materials and Nanotechnology for Green Environment (ENGE 2010), *Jeju Island, Korea*. Conf. Secretariat, Twin Tower B-227, 275-4, Yangjae-dong, Seocho-gu, Seoul, 137-130, Korea; 82-2-571-2724; fax 82-2-571-2721; enge2010@jicinter.co.kr; www.enge2010.org.

23 ▼ SciTechEurope 2010, *Brussels, Belgium*. Matthew Warrilow; 44-161-832-738; mwarrilow@publicservice-delegates.co.uk; www.publicserviceevents.co.uk/event/overview.asp?ID=151.

29–2 27th Army Science Conf., *Orlando, FL*. Jayne Ashe, ALS Co., 16441 Bennis Church Blvd., Smithfield, VA 23430; 757-357-4011; fax 757-357-5108; armyscienceconference@charterinternet.com; www.armyscienceconference.com.

29–3 2010 MRS Fall Meeting, *Boston, MA*. Materials Research Society, 506 Keystone Drive, Warrendale, PA 15086; 724-779-3003; fax 724-779-8313; info@mrs.org; www.mrs.org/F10. **MRS.**

30–3 10th Intl. Workshop on Micro and Nanotechnology for Power Generation and Energy Conversion Applications (PowerMEMS 2010), *Leuven, Belgium*. PowerMEMS; info@powermems.org; www.powermems.org.

DECEMBER 2010

2–4 41st IEEE Semiconductor Interface Specialists Conf., *San Diego, CA*. Martin Frank, IBM T.J. Watson Research Center, 1101 Kitchawan Rd., Room 5-117, Yorktown Heights, NY 10598; 914-945-1107; mfrank@ieeesisc.org; www.ieeesisc.org.

4–8 ▼ Physical Phenomena at High Magnetic Fields (PPHMF-VII), *Tallahassee, FL*. Arshad Javed; 850-644-3665; fax 850-644-5038; pphmf@fagnet.fsu.edu; http://pphmf2010.magnet.fsu.edu.

7–9 Wind Turbine Blade Manufacture 2010, *Düsseldorf, Germany*. Maud Las-sara; 44-117- 924-9442; ml@amiplastics.com; www2.amiplastics.com/Events/Event.aspx?code=C371&sec=1252.

12–15 ▼ 2010 Conf. on Optoelectronic and Microelectronic Materials and Devices, *Canberra, Australia*. H. Hoe Tan, The Australian National University, Dept. of Electronic Materials Engineering, Canberra, ACT 0200, Australia; 61-2-6125 0356; hoe.tan@anu.edu.au; http://commad2010.anu.edu.au.

JANUARY 2011

5–7 ▼ 2nd Conf. on Advances in Microfluidics and Nanofluidics and Asian-Pacific Intl. Symp. on Lab on Chip (AMN-APLOC 2011), *Singapore*. amnaploc11@ntu.edu.sg; www.amnaploc2011.org.

9–13 2nd Intl. Congress on Sustainability Science and Engineering (ICOSSE'11), *Tucson, AZ*. Glenn Schrader, University of Arizona, 1209 East 2nd St., Tucson, AZ 85721-0072; 520-621-6596; schrader@arizona.edu; www.icosse11.org.

17–19 The Coatings Summit 2011, *Washington, DC*. Friederike Plasswisch, Vincentz Network, Plathnerstr. 4c, Hannover, 30175, Germany; 49-511-9910-279; fax 49-511-9910-099; friederike.plasswisch@vincentz.net; www.european-coatings.com/events/microsites/summit.

20–21 ▼ 2011 Intl. Workshop on Dielectric Thin Films for Future Electron Devices, *Tokyo, Japan*. ml-iwdf@hiroshima-u.ac.jp; http://home.hiroshima-u.ac.jp/iwdf.

23–27 ▼ 24th Intl. Conf. on Micro Electro Mechanical Systems, *Cancun, Mexico*. MEMS 2011 Conf., c/o Preferred Meeting Management, Inc., 307 Laurel St., San Diego, CA 92101-1630; 619-232-9499; fax 619-232-0799; info@ieee-mems2011.org; www.ieee-mems2011.org.

FEBRUARY 2011

16–18 Intl. Nanotechnology Exhibition and Conf., *Tokyo, Japan*. Secretariat of nano tech executive committee, Chiyoda Bldg. 1-5-18, Sarugakucho, Chiyoda-ku, Tokyo, 101-8449, Japan; 81-3-3219-3567; fax 81-3-3219-3628; nanotech@ics-inc.co.jp; www.nanotechexpo.jp/en.

27–3 TMS 2011 Annual Meeting and Exhibition, *San Diego, CA*. TMS Meeting Services, 184 Thorn Hill Rd., Warrendale, PA 15086-7514; 724-776-9000, ext. 243; fax 724-776-3770; mtgserv@tms.org; www.tms.org/meetings/annual-11/AM11home.aspx.

MARCH 2011

13–14 ▼ China Semiconductor Technology Intl. Conf. (CSTIC), *Shanghai, China*. April Peng, SEMI China, 18G/H, Tower 2, Hua Ao Ctr., 31 Zizhuyuan Rd., Beijing, 100089, China; 86-10-519060-86; fax 86-10-51906087; apeng@semi.org; www.semi.org.cn/cstic. **Endorsed.**

14–17 2011 Intl. Laser Safety Conf., *San Jose, CA*. Laser Institute of America's Conf. Dept.; 800-34- LASER; ilsc@laserinstitute.org; www.laserinstitute.org/ilsc.

14–17 ▼ Navigating Chemical Compound Space for Materials and Bio Design, *Los Angeles, CA*. http://e-math.ams.org/meetings/calendar/2011_mar14-jun17_losangeles.html.

21–25 ▼ American Physical Society (APS) Physics - March Meeting, *Dallas, TX*. American Physical Society, One Physics Ellipse, College Park, MD. 20740-3844; 301-209-3200; fax 301-209-0865; www.aps.org/meetings/march/index.cfm.

29–31 ▼ European Coatings Show 2011, *Nuremberg, Germany*. Nicole Steinbach, Vincentz Network GmbH and Co. KG, Plathnerstr. 4c, Hannover, 30175, Germany; 49-511-99-10-274; fax 49-511-99-10-279; nicole.steinbach@vincentz.net; www.european-coatings-show.com/en/press/ars12/ars25/?arspageid=25. pm.6354.

APRIL 2011

4–7 17th Intl. Conf. on Microscopy of Semiconducting Materials, *Cambridge, UK*. Claire Garland, Institute of Physics, 76 Portland Pl., London, W1B 1NT, UK; 44-20-7470-4800; fax 44-20-7637-4266; claire.garland@iop.org; www.msm2011.org. **Endorsed.**

5–6 NanoManufacturing Conf. and Exhibits, *Oakbrook Terrace, IL*. Society of Manufacturing Engineers; 800-733-4763; service@sme.org; www.sme.org/nanomanufacturing.

16–21 2011 Society of Vacuum Coaters (SVC) Technical Conf., *Chicago, IL*. SVC, 71 Pinon Hill Pl. NE, Albuquerque, NM 87122-1914; 505-856-7188; fax 505-856-6716; svcinfo@svc.org; www.svc.org.

25–29 2011 MRS Spring Meeting, *San Francisco, CA*. Materials Research Society, 506 Keystone Dr., Warrendale, PA 15086, USA; 724-779-3003; fax 724-779-8313; info@mrs.org; www.mrs.org. **MRS.**

MAY 2011

2–6 International Conference on Metallurgical Coatings and Thin Films (ICMCTF 2011), *San Diego, CA*. Mary Gray; 703-266-3287; icmctf@mindspring.com. www.avs.org/conferences/ICMCTF.

9–13 E-MRS 2011 Spring Meeting/ IUMRS ICMAT 2011, including E-MRS/ MRS Bilateral Conference on Energy, *Nice, France*. European Materials Research Society; 33-3-88-10-63-72; fax 33-3-88-10-62-93; emrs@emrs-strasbourg.com; www.emrs-strasbourg.com/ICAM2011. **E-MRS, IUMRS, MRS.**

15–18 ▼ The ConFab, *Las Vegas, NV*. Jo-Ann Pellegrini; 650-946-3169; joannp@pennwell.com; www.theconfab.com.

20–25 ▼ XXVI Congress of the Intl. Society for the Advancement of Cytometry, *Baltimore, MD*. Roy Jaseb, 9650 Rockville Pike, Bethesda, MD 20814; 301-634-7017; fax 301-634-7014; isac@faseb.org; www.isac-net.org.

22–27 ▼ Society for Information Display (SID) 2011, *Los Angeles, CA*. 1475 S. Bascom Ave., Ste. 114, Campbell, CA 95008; 408-879-3901; fax 408-879-3833; office@sid.org; www.sid.org.

JUNE 2011

5–9 16th Intl. Conf. on Solid-State Sensors, Actuators and Microsystems (Transducers '11), *Beijing, China*. China Intl. Conf. Center for Science and Tech, Rm. 60742, Unit 7, Suyuan Apt., Beijing Friendship Hotel No.1, Zhongguanchuan Nandajie, Beijing, 100873, China; fax 86-10-62174126; info@transducers11-beijing.org; http://transducers11-beijing.org.

17–20 ▼ Glass Performance Days Finland, *Tampere, Finland*. Jorma Vitkala, Glaston Finland/GPD, Vehmaistenkatu 5, Tampere, 33730, Finland; 358-10-500-6216; Jorma.Vitkala@gpd.fi; http://gpd.fi.

19–25 2th World Conf. on Titanium (Ti-2011), *Beijing, China*. Hongkang Zhu, Ti-2011 Secretariat, No. 96, Weiyang Rd., Xi'an, Shaanxi, 710016, China; 86-29-86266570; fax 86-29-86231101; sec@ti-2011.com; www.ti-2011.com.

26–1 ▼ 7th Intl. Dendrimer Symp., *Gaithersburg, MD*. Materials Research Society; 724-779-3003; fax 724-779-8313; info@mrs.org; www.mrs.org. **Managed by MRS.**

26–1 ▼ Intl. Conf. on Materials for Advanced Technologies (ICMAT2011), *Suntec, Singapore*. ICMAT2011 Secretariat Office, Meeting Matters Intl., 25 Hindoo Rd., Singapore, 209116; 65-6341-7229; fax 65-6341-7269; icmat2011@meetmatt.net; www.mrs.org.sg/icmat2011.

JULY 2011

18–22 ▼ 7th Intl. Congress on Industrial and Applied Mathematics (ICIAM 2011), *Vancouver, BC, Canada*. info@iciam2011.com; www.iciam2011.com.

AUGUST 2011

14–19 Intl. Materials Research Congress (IMRC) 2011, *Cancun, Mexico*. Info@mrs-mexico.org.mx www.mrs-mexico.org.mx/imrc2010; www.mrs.org/IMRC_2011. **M-MRS, MRS.**

22–26 ▼ 24th Intl. Conf. on Amorphous and Nanocrystalline Semiconductors (ICANS 24), *Nara, Japan*. www.icans24.org/index.html.

SEPTEMBER 2011

11–16 ▼ Intl. Conf. on Silicon Carbide and Related Materials (ICSCRM) 2011, *Cleveland, OH*. Barbara Kakiris, NASA Glenn Conf. Liaison, 21000 Brookpark Rd., MS 3-5, Cleveland, OH 44135; 216-433-2513; fax 216-977-7133; Barbara.L.Kakiris@nasa.gov; www.icscrm2011.org.

OCTOBER 2011

2–6 Federation of Analytical Chemistry and Spectroscopy Societies 2011 (FACSS 2011), *Reno, NV*. Federation of Analytical Chemistry and Spectroscopy, PO Box 24379, Santa Fe, NM 87502, USA; 505-820-1648; facss@facss.org; http://facss.org.

2-7 ▼ 4th Intl. Conf. on Electrophoretic Deposition: Fundamentals and Applications (EPD 2011), *Puerto Vallarta, Mexico*. Engineering Confs. Intl., 32 Broadway, Ste. 314, New York, NY 10004; 212-514-6760; info@engconfintl.org; www.engconfintl.org/11ab.html.

2-7 **XXXV Intl. Scientific Basis for Nuclear Waste Management Symp., Buenos Aires, Argentina.** Ricardo Carranza, Comisión Nacional de Energía Atómica; 54-11-6772-7488; fax 54-11-6772-7362; carranza@cnea.gov.ar; www.cnea.gov.ar/mrs2011. **Endorsed.**

12-14 ▼ Intl. Congress and Exhibition Euro PM2011, *Barcelona, Spain*. European Powder Metallurgy Association, Talbot House, Market St., Shrewsbury, SY1 1LG, UK; 44-1743-248899; info@epma.com; www.epma.com/pm2011.

16-20 ▼ Materials Science and Technology 2011 Conf. and Exhibition (MS&T'11), *Columbus, OH*. Meeting Services, TMS, 184 Thorn Hill Rd., Warrendale, PA 15086; 724-776-9000, ext. 243; mtgserv@tms.org.

31-2 ▼ 26th Materials Information Society (ASM) Heat Treating Society Conf. and Exposition, *Cincinnati, OH*. ASM Member Service Center, 9639 Kinsman Rd., Materials Park, OH 44073-0002; 440-338-5151, ext. 0; fax 440-338-4634; memberservicecenter@asminternational.org; http://hts.asminternational.org/content/Events/Heatreat/index.jsp.

NOVEMBER 2011

27-1 ▼ Fray Intl. Symp., *Cancun, Mexico*. Florian Kongoli, Flogen Technologies Inc., 1255 Laird Blvd., Ste. 388, Mont-Royal, QC, H3P2T1, Canada; 514-344-8786 ext. 220; fax 514-344-0361; fkongoli@flogen.com; www.flogen.com/FraySymposium.

28-2 **2011 MRS Fall Meeting, Boston, MA.** Materials Research Society, 506 Keystone Dr., Warrendale, PA 15086, USA; 724-779-3003; fax 724-779-8313; info@mrs.org; www.mrs.org/F11. **MRS.**

DECEMBER 2011

11-15 ▼ 2nd Nano Today Conf., *Waikoloa Beach, HI*. 2nd Nano Today Conf. Secretariat, Elsevier, The Boulevard, Langford Ln., Kidlington, Oxford, OX5 1GB, UK; 44-1865-843051; nanotoday2011@elsevier.com; www.nanotoday-conference.com. □



Registration opens late September!
www.mrs.org/fall2010

MATERIALS FOR INFORMATION PROCESSING

- A: Diamond Electronics and Bioelectronics—Fundamentals to Applications IV
- B: Carbon-Based Electronic Devices—Processing, Performance, and Reliability
- C: Fundamentals of Low-Dimensional Carbon Nanomaterials
- D: Challenges in Roll-to-Roll Fabrication for Electronics and Other Functionalities
- E: Molecular and Hybrid Materials for Electronics and Photonics
- F: Low-Temperature-Processed Thin-Film Transistors
- G: Novel Fabrication Methods for Electronic Devices
- H: Controlling Material Properties and Charge-Carrier Interactions with Quantum-Dot Coupling
- I: Magnetism and Correlated Electronic Structure of Nitrides—Rare-Earth and Transition Metals as Constituents and Dopants
- J: Integrated Nonreciprocal Photonics—Materials, Phenomena, and Devices
- K: Oxide Nanoelectronics
- L: Liquid-Crystal Materials—Beyond Displays
- M: Resonant Optical Antennas—Sensing and Shaping Materials

MATERIALS FOR INFRASTRUCTURE AND MECHANICAL APPLICATIONS

- N: Intermetallic-Based Alloys for Structural and Functional Applications
- O: New Methods in Steel Design—Steel *Ab Initio*
- P: Deformation Mechanisms, Microstructure Evolution, and Mechanical Properties of Nanoscale Materials
- Q: Structural Materials and Fuels for Future Fusion and Fission Technologies
- R: Radiation Damage to Ceramic and Insulating Materials for Nuclear Power
- S: Microelectromechanical Systems—Materials and Devices IV
- T: Nanostructured Materials in Harsh Environments
- U: Bulk Metallic Glasses and their Applications
- V: Harnessing Instabilities in Soft Material Films and Interfaces

MATERIALS PROCESSING AND DEVICE FABRICATION

- W: Nanowires—Growth and Device Assembly for Novel Applications
- Y: Nanomaterials Integration for Electronics, Energy, and Sensing
- Z: Hierarchical Materials and Composites—Combining Length Scales from Nano to Macro
- AA: Group IV Semiconductor Nanostructures and Applications

- BB: Aerogels and Aerogel-Inspired Materials
- CC: Boron and Boron Compounds—From Fundamentals to Applications
- DD: Artificially Induced Crystalline Alignment in Thin Films and Nanostructures
- EE: Solid-State Chemistry of Inorganic Materials VIII

MATERIALS FOR ENERGY

- FF: Magnetocalorics and Magnetic Cooling
- GG: Next-Generation Fuel Cells—New Materials and Concepts
- HH: Polymer-Based Smart Materials—Process, Properties, and Application
- II: Polymer-Based Nanocomposites
- JJ: Nanostructured Polymeric Materials—Synthesis and Assembly
- KK: Materials for Advanced Lithium Batteries
- LL: Thermoelectric Materials for Solid-State Power Generation and Refrigeration
- MM: Transparent Conducting Oxides and Applications

BIOLOGICAL AND ENVIRONMENTAL APPLICATIONS OF MATERIALS

- NN: Biomineralization and Bioinspired Inorganic and Inorganic/Organic Materials
- OO: Multiscale Mechanics of Hierarchical Biological, Bioinspired, and Biomedical Materials
- PP: Materials and Sensors for Biomedical Applications
- QQ: Nanofunctional Materials, Nanostructures, and Nanodevices for Biomedical Applications II
- RR: Interdisciplinary Approaches to Safe Nanotechnologies

MATERIALS EXPLORATION

- SS: Advanced Imaging and Scattering Techniques for *In Situ* Studies
- TT: *In Situ* X-Ray Synchrotron Radiation Spectroscopies in Energy-Related Materials Science and Heterogeneous Catalysis
- UU: Real-Time Studies of Evolving Thin Films and Interfaces
- VV: Novel Development and Applications of Scanning Probe Microscopy
- WW: Materials Issues in Art and Archaeology IX
- XX: Materials Education Development and Outreach—From K-Grad

GENERAL

- X: Frontiers of Materials Research

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Following is a list of titles and authors of articles scheduled to appear in the upcoming issue of the *Journal of Materials Research*. Also included is a direct URL link to the full text of each abstract. A listing of all *JMR* abstracts from 1986 to the present is available through the *JMR* table of contents at <http://www.mrs.org/jmr>.

INVITED FEATURE PAPER

Catalyst and catalyst support morphology evolution in single-walled carbon nanotube supergrowth: Growth deceleration and termination

Seung Min Kim,¹ Cary L. Pint,² Placidus B. Amama,^{3,4} Robert H. Hauge,² Benji Maruyama,³ Eric A. Stach¹
¹Purdue University, ²Rice University, ³Air Force Research Laboratory, Materials and Manufacturing Directorate, ⁴University of Dayton Research Institute (UDRI)
http://www.mrs.org/jmr_10_0264

MATERIALS COMMUNICATIONS

Quality control of epitaxial LiCoO₂ thin films grown by pulsed laser deposition

T. Ohnishi,^{1,2} B. T. Hang,¹ X. Xu,¹ M. Osada,^{1,2} K. Takada^{1,2}
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http://www.mrs.org/jmr_10_0250

ARTICLES

Synchrotron x-ray μ -tomography to model the thermal radiative properties of an opaque ceramic coating at T = 1000 K

B. Rousseau,¹ H. Gomart,¹ D. Zanghi,¹ D. Bernard,² M. Stapanoni^{3,4}
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http://www.mrs.org/jmr_10_0244

Effects of an Al₂O₃ capping layer on La₂O₃ deposited by remote plasma atomic layer deposition

Yongchan Kim, Sanghyun Woo, Hyungchul Kim, Jaesang Lee, Honggyu Kim, Hyerin Lee, Hyeongtag Jeon
Hanyang University
http://www.mrs.org/jmr_10_0245

Solution chemistry effects on cracking and damage evolution during chemical mechanical planarization

Markus D. Ong,¹ Patrick Leduc,² Daniel W. McKenzie,¹ Thierry Farjot,² Gerard Passemard,³ Sylvain Maitrejean,² Reinhold H. Dauskardt¹
¹Stanford University, ²CEA—LETI, Minatex, ³STMicroelectronics
http://www.mrs.org/jmr_10_0249

Effect of ultraviolet cure on the interfacial toughness and structure of SiOC thin film on Si substrate

M. Takeda,¹ N. Matoba,¹ K. Matsuda,¹ H. Seki,¹ K. Inoue,¹ M. Oishi,¹ M. Saka²
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http://www.mrs.org/jmr_10_0251

A comparative study of a new microscale technique and conventional bending techniques for evaluating the interface adhesion strength in IC metallization systems

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http://www.mrs.org/jmr_10_0258

The control of time-dependent buckling patterns in thin confined elastomer film

Brad Winton,¹ Mihail Ionescu,² Shi Xue Dou¹
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http://www.mrs.org/jmr_10_0263

Preparation and electrical properties of CuInSe₂ thin films by pulsed laser deposition using excess Se targets

Deuk Ho Yeon, Bhaskar Chandra Mohanty, Yeon Hwa Jo, Yong Soo Cho
Yonsei University
http://www.mrs.org/jmr_10_0266

Investigation of a ductile and corrosion resistant Pd₁₅Au₈₅Ag₃Si_{1.5} bulk metallic glass

N. Chen, C.L. Qin, G.Q. Xie, D.V. Louzguine-Luzgin, A. Inoue
Tohoku University
http://www.mrs.org/jmr_10_0246

Crystal orientation of β -Sn grain in Ni(P)/Sn-0.5Cu/Cu and Ni(P)/Sn-1.8Ag/Cu joints

Sun-Kyoung Seo, Moon Gi Cho, Hyuck Mo Lee
KAIST
http://www.mrs.org/jmr_10_0253

Effect of frame stiffness on the deformation behavior of bulk metallic glass

Z. Han,¹ Y. Li,¹ H.J. Gao²
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http://www.mrs.org/jmr_10_0256

Experimental study of grain refinement mechanism in undercooled Ni-15at.%Cu alloy

Haifeng Wang, Feng Liu, Gengcang Yang
Northwestern Polytechnical University
http://www.mrs.org/jmr_10_0257

Tensile deformation of anisotropic porous copper with directional pores

M. Tane, R. Okamoto, H. Nakajima
Osaka University
http://www.mrs.org/jmr_10_0261

Transformation-dislocation dipoles in Laves phases: A high-resolution transmission electron microscopy analysis

J. Aufrecht,¹ A. Leineweber,¹ V. Duppel,² E.J. Mittemeijer^{1,3}
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http://www.mrs.org/jmr_10_0265

Assembly, formation mechanism, and enhanced gas-sensing properties of porous and hierarchical SnO₂ hollow nanostructures

Jinyun Liu,¹ Fanli Meng,¹ Yu Zhong,¹ Jinhui Liu,¹ Guangyu Chen,² Yuteng Wan,² Kai Qian,² Sitaramanjaneva Mouli T³
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http://www.mrs.org/jmr_10_0247

Templated fabrication of nanostructured Ni brush for hydrogen evolution reaction

Sheng-Chieh Lin, Yu-Fan Chiu, Pu-Wei Wu, Yi-Fan Hsieh, Cheng-Yeou Wu
National Chiao Tung University
http://www.mrs.org/jmr_10_0248

Determination of reversible hydrogen adsorption site in Ni-nanoparticle-dispersed amorphous silica for hydrogen separation at high temperature

Yumi H. Ikuhara, Tomohiro Saito, Yukichi Sasaki, Seiji Takahashi, Tsukasa Hirayama
Japan Fine Ceramics Center
http://www.mrs.org/jmr_10_0254

Niobium ad tantalum doped titania particles Václav Štengl, Vendula Houšková, Snežana Bakardjeva, Nataliya Murafa, Petr Bezdíčka

Institute of Inorganic Chemistry AS CR v.v.i.
http://www.mrs.org/jmr_10_0252

Production of granulated-copper oxide nanoparticles for catalytic application

M. Hosseinpour,¹ S.J. Ahmadi,¹ T. Mousavand,² M. Outokeshi¹
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http://www.mrs.org/jmr_10_0262

Synthesis and upconversion luminescence properties of CaF₂:Yb³⁺, Er³⁺ nanoparticles obtained from SBA-15 template

Zhiguo Xia, Peng Du
China University of Geosciences
http://www.mrs.org/jmr_10_0255

Formation of maghemite nanoparticles in bismuth-telluride materials containing iron

R.M. Catchings III,¹ A.N. Thorpe,¹ J.R. Grant,¹ R. Douglas,¹ C. Viragh,² M.A. Adel-Hadadi,² K. Gaskell,² A. Barkatt²
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http://www.mrs.org/jmr_10_0259

Improved dehydrogenation of TiF₃-doped NaAlH₄ using ordered mesoporous SiO₂ as a co-dopant

Shiyong Zheng,^{1,2} Yongtao Li,¹ Fang Fang,¹ Guangyou Zhou,¹ Xuebin Yu,¹ Guorong Chen,¹ Dalin Sun,¹ Liuzhang Ouyang,³ Min Zhu³
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http://www.mrs.org/jmr_10_0260

ERRATUM

Erratum: Corrigendum to “Thermochemistry of glass forming Y-substituted Sr-analogues of titanite (SrTiSiO₆)” [J. Mater. Res. 24(11), 3380 (2009)]
Tae-Jin Park, Simon Li, Alexandra Navrotsky
University of California at Davis
http://www.mrs.org/jmr_09_0413e

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