

# Calendar of Events

## September

3-4

**International Colloquium on Corrosion of Structures and Containers Under Pressure**, Madrid, Spain; Contact: IIS, CENIM, Avda. de Gregorio del Amo 8, 28040 Madrid, Spain; 91/553-8900.

4-5

**Technology Transfer Between High Technology Engineering and Biomechanics Conference**, Limerick, Ireland; Contact: BSSM, Dept. of Mechanical and Production Engineering, University of Limerick, Plassey Technology Park, Limerick, Ireland; 353/61-333-644.

6-11

**1st National Congress on Protection**, Moscow, Russia; Contact: Congress Secretariat, Karpov Institute of Physical Chemistry, BACOR, ul. Obukha 10, 103064 Moscow, Russia.

7-10

**Materials for High Performance Conference**, Birmingham, England; Contact: M.H. Loretto, IRC in Materials for High Performance Applications, University of Birmingham, Edgbaston, Birmingham B15 2TT, England; 021/414-5215.

7-11

**3rd International Conference on Low-Cycle Fatigue and Elasto-Plastic Behavior of Materials**, Berlin, Germany; Contact: Deutscher Verband für Materialforschung und -prüfung, Unter den Eichen 87, D-1000 Berlin 45, Germany; 030/811-3066.

**8th International Conference on Ion Beam Modification of Materials**, Heidelberg, Germany; Contact: S. Kalbtzer, MPI Kemphysik, Postfach 103980, W-6900 Heidelberg 1, Germany; 6221/516-203.

**13th International Symposium on Materials Science: Modeling of Plastic Deformation and Its Engineering Applications**, Roskilde, Denmark; Contact: Materials Dept., P.O. Box 49, DK-4000 Roskilde, Denmark; 45/42-37-1212.

**1st Corrosion ASIA**, Singapore; Contact: NACE, P.O. Box 218340, Houston, TX, USA; 713/492-0535.

8-10

**11th International Jet Cutting Technology Conference**, St. Andres, Scotland; Contact: T. Peters, BHR Group, Ltd., Cranfield, Bedford MK43 0AJ, England; 0234/750-422.

8-11

**International Galvatech Conference: Zinc and Zinc-Coated Steels**, Amsterdam, The Netherlands; Contact: Centre des Recherches Metallurgiques, 11 rue Ernest Solvay, B-4000 Liege, Belgium; 41/527050.

**Optical Fibers International Symposium and Exhibition**, Boston, Massachusetts, USA; Contact: SPIE, P.O. Box 10, Bellingham, WA 98227-0010, USA; 206/676-3290.

**19th Symposium on Thin Films in Tribology**, Leeds, England; Contact: Prof. Dowson, University of Leeds, The Institute of Tribology, Dept. of Mechanical Engineering, Leeds LS2 9JT, England.

9-17

**International Manufacturing Technology Show**, Chicago, IL, USA; Contact: National Machine Tool Builders' Assoc., 7901 Westpark Dr., McLean, VA 22102, USA; 703/893-2900.

14-19

**3rd World Congress on Superconductivity**, Munich, Germany; Contact: C. Burnham, P.O. Box 27805, Houston, TX 77227-7805, USA; 713/895-2500.

15-17

**Surface Engineering and Heat Treatment Conference and Exhibition**, Birmingham, England; Contact: Conference Dept., Institute of Materials, 1 Carlton House Terr., London SW1Y 5DB, England; 071/839-2289.

**International Symposium on Tribology**, Pretoria, South Africa; Contact: T. Bester, LGI Short Courses, P.O. Box 30536, Sunnyside 0132, South Africa.

16-17

**31st Annual British Conference on NDT**, Cambridge, England; Contact: British Institute of Non-Destructive Testing, 1 Spencer Parade, Northampton NN1 5AA, England; 0604/30124.

16-18

**3rd International Conference on Electrical, Optical, and Acoustical Properties of Polymers**, London, England; Contact: Plastics and Rubber Institute, 11 Hobart Pl., London SW1W 0HL, England; 071/245-9555.

20-24

**7th International Symposium on Superalloys**, Champion, Pennsylvania, USA; Contact: TMS, 420 Commonwealth Dr., Warrendale, PA 15086, USA; 412/776-9050.

**4th International Conference on Metalforming**, Krakow, Poland; Contact: J. Kusiak, Akademia Gorniczo-Hutnicza, Mickiewicza 30, B-4, 30-059 Krakow, Poland; 48/12-344490.

21-23

**Lubrication Technology: Future Trends**, Chicago, Illinois, USA; Contact: AISE, Three Gateway Center, Ste. 2350, Pittsburgh, PA 15222, USA; 412/281-6232.

21-24

**European Adhesion Congress and Exhibition**, Karlsruhe, Germany; Contact: Plastics and Rubber Institute, 11 Hobart Pl., London SW1W 0HL, England; 071/245-9555.

21-25

**Course: High-Performance Ceramics**, Guildford, England; Contact: D. Saunders, Dept. of Materials Science and Technology, University of Surrey, Guildford, Surrey, GU2 5HX, England; 0483/509378.

22-23

**8th Annual High-Performance Blow Molding Conference**, Itasca, Illinois, USA; Contact: Society of Plastics Engineers, 14 Fairfield D., Brookfield, CT 06804-0403, USA; 203/775-9471.

22-24

**Seminar: Nitriding and Vacuum Heat Processing Technology**, Materials Park, Ohio, USA; Contact: MEI/ MSC, ASM In-

ternational, Materials Park, OH 44073-0002, USA; 216/338-5151.

**Seminar: Lubricants and Lubrication in the Metalworking Industry**, Materials Park, Ohio 44073, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

**International Conference on Materials Development in Rail, Tire, Wing, and Hull Transportation**, Genova, Italy; Contact: Associazione Italiana di Metallurgia, Piazzale Rodolfo Morandi 2, I-20121 Milano, Italy; 02/790551.

22-25

**5th International Ceramic Forum**, Limoges, France; Contact: CREEL, 27 Blvd. de la Corderie, 87031 Limoges Cedex, France; 554/51830.

**1st International Conference on Quenching and Control of Distortion**, Chicago, Illinois, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

22-26

**International Surface Finishing Exhibition and Conference, Telford**, United Kingdom; Contact: ISFEC92 Secretariat, Institute of Metal Finishing.

23-24

**International Conference on Shallow Crack Fracture Mechanics Toughness Tests and Applications**, Cambridge, United Kingdom; Contact: Welding Institute, Conference Dept., Abington Hall, Abington, Cambridge CB1 6AL, UK; 0223/891-162.

**Advanced in Process Control**, Leeds, United Kingdom; Contact: Institute of Chemical Engineers, Conference Section, 165-171 Railway Terr., Rugby, Warwickshire CV21 3HQ, UK; 9788/78214.

23-25

**AEROTECH**, Long Beach, California, USA; Contact: SAE, 400 Commonwealth Dr., Warrendale, PA 15086, USA; 412/776-4841.

23-26

**2nd International Conference on Machine Dynamics and Engineering, Zhenjiang**, PRC; Contact: Prof. R. -Q. Jin, Foreign Affairs Office, Jiangsu Institute of Technology, Zhenjiang, Jiangsu 212013, PRC; 511/234-071-2217.

24-25

**Semiconductor Production Scheduling**, Millbrae, California, USA; Contact: Continuing Education in Engineering, University Extension, University of California, 2223 Fulton St., Berkeley, CA 94720, USA; 510/642-4151.

25-26

**Course: Non-linear Optics and Phase Conjugation**, Dayton, Ohio, USA; Contact: Engineering Technology Institute, P.O. Box 8859, Waco, TX 76714, USA; 800/367-4238.

26-30

**3rd Arab International Conference on Materials Science: Degradation and Stabilization of Materials**, Alexandria, Egypt; Contact: William D. Ashman, 1992 IEPS Program Committee 114 N. Hall St., Wheaton, IL 60187, USA; 708/260-1044.

28-29

**Extrusion Technology for the '90s**, Charlotte, North Carolina, USA; Contact: Society of Plastics Engineers, 14 Fairfield Dr., Brookfield, CT 06804-0403, USA; 230/775-0471.

27- 2 October

**4th European Symposium on Polymeric Materials**, Baden-Baden, Germany; Contact: GDCh-Gesellschaftsstelle, Abt.

Tagungen, Postfach 90, 40 D-6000 Frankfurt am Main, Germany.

## October

1- 2

**3rd Parsons International Turbine Conference: Materials Design and Energy Conservation**, Dublin, Ireland; Contact: D.M.R. Taplin, Dept. of Mechanical and Manufacturing Engineering, University of Dublin, Trinity College, Dublin 2, Ireland.

4- 6

**Emerging Methods for the Production of Tubes, Bars, and Shapes Conference**, Scottsdale, Arizona, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

4- 9

**16th International Congress on Glass**, Madrid, Spain; Contact: Secretaria del XBI Congreso Internacional del Vidrio, Ferraz 11, E28008, Madrid, Spain; 34/1-542-1770.

5- 7

**Corrosion-Deformation Interactions International Conference**, Fontainebleau, France; Contact: Prof. T. Magnin, University of Lille 1, Laboratoire de Metallurgie Physique, URA CHRS234, Batiment C6, F-59655 Villeneuve D'ASCQ, France; 33/2043-4944.

5- 8

**AEROTECH '92 Conference & Exposition**, Anaheim, California, USA; Contact: SAE, Meetings Dept., 400 Commonwealth Dr., Warrendale, PA 15096, USA; 412/776-4841.

6- 8

**Course: Understanding Heat Treatment**, Birmingham, United Kingdom; Contact: Wolfson Heat Treatment Centre, Aston University, Aston Triangle, Birmingham B4 7ET, UK; 021/359-8910.

6-10

**Powder Coating '92 Technical Conference & Exhibition**, Cincinnati, Ohio, USA; Contact: Powder Coating Institute, 1800 Diagonal Rd., Ste. 370, Alexandria, VA 22314, USA; 703/684-1770.

7- 9

**8th International Conference on Powder Metallurgy in CSRF**, Piestany, Czechoslovakia; Contact: Ing. E. Rudnayova, Solovjevova 47, 043 53 KOSICE, Czechoslovakia; 42/95-371-06.

**1st International Conference on Advanced Composite Materials in Bridges and Structures**, Quebec, Quebec, Canada; Contact: K.W. Neale, Dept. de Genie Civil, University of Sherbrooke, Sherbrooke, Quebec J1K 2R1, Canada; 819/821-7974.

**Symposium on Metal Surface Technology for Adhesive Bonding**, St. Louis, Missouri, USA; Contact: D. Savini, ASTM, 1916 Race St., Philadelphia, PA 19103, USA; 215/977-9679.

8- 9

**Copper Materials, Properties, Manufacturing, Applications**, Aachen, Germany; Contact: Deutsche Gesellschaft für Materialkunde eV, Adenauerallee 21, D-W-6370 Oberursel, Germany.

11-16

**Symposium: Oxide Films on Metals and Alloys**, Toronto, Ontario, Canada; Contact: Electrochemical Society, 10 S. Main St., Pennington, NJ 08534, USA; 609/737-1902.

**Symposium: Structure and Properties of Electrodeposited Protective Coatings**, Toronto, Ontario, Canada, Contact: Elec-

trochemical Society, 10 S. Main St., Pennington, NJ 08534, USA; 609/737-1902.

12-15

**4th European Conference on Laser Treatment of Materials**, Göttingen, Germany; Contact: Conference Secretariat, Deutsche Gesellschaft für Materialkunde v.B., Adenauerallee 21, D-6370 Oberürsel, Germany; 06171/4081.

12-16

**12th International Vacuum Congress/8th International Conference on Solid Surfaces**, The Hague, The Netherlands; Contact: Van Namen and Westerlaken Congress Organization Services, P.O. Box 1558, NL-6501 BN Nijmegen, The Netherlands.

13-15

**AEROFAST '92 Conference & Exposition**, Bellevue, Washington, USA; Contact: SAE, Meetings Dept., 400 Commonwealth Dr., Warrendale, PA 15086, USA; 412/776-4841.

**ASC 7th Technical Conference**, University Park, Pennsylvania, USA; Contact: American Society for Composites, 1350 N. Fairfield Rd., Dayton, OH 45432-2698, USA; 513/426-2045.

13-16

**Seminar: New Materials and Their Applications in Engineering Industries**, Kiev, Russia; Contact: J.A. Kennerley, Industry & Technology Div., Economic Commission for Europe, UN, Palais des Nations Ch-1211 Geneva 10, Switzerland.

14-16

**Conference: Mutation of Materials**, Grenoble, France; Contact: IITT International, 40 Promenade Marx Dormoy, F-93460 Gournay sur Marne, France; 1/459-21771.

18-21

**34th Mechanical Working and Steel Processing Conference**, Montreal, Quebec, Canada; Contact: ISS of AIME, 410 Commonwealth Dr., Warrendale, PA 15086-7512, USA; 412/776-1535.

**Polymer Surfaces and Interfaces**, Danvers, Massachusetts, USA; Contact: American Chemical Society, Meetings Dept., 1155 Sixteenth St., N.W., Washington, DC 20036, USA; 202/872-4401.

18-22

**62nd Annual Convention of the Wire Association International**, Louisville, Kentucky, USA; Contact: WAI, P.O. Box H 1570 Boston Post Rd., Guildford, CT 06347, USA; 203/453-2777.

18-23

**13th World Conference on NDT**, Sao Paulo, Brazil; Contact: Associacao Brasileira de Ensaios Nao Destrutivos, Rua Luiz Goes, NO 2 2.341, 04.043 Sao Paulo, Brazil; 011/578-6677.

19-21

**8th Conference: Recent Developments in the Joining of Stainless Steels and High Alloys**, Columbus, Ohio, USA; Contact: American Welding Society.

**International Symposium on Rail Steels: Developments, Manufacturing and Performance**, Montreal, Quebec, Canada; Contact: ISS of AIME, 410 Commonwealth Dr., Warrendale, PA 15086, USA; 412/776-1535.

19-23

**Corrosion Engineering of the Future**, Miami, Florida, USA; Contact: Jay Steele, Steele & Sons, Inc., P.O. Box 277, Roswell, GA, 30077, USA; 404/475-8199.

**18th International Symposium for Testing and Failure Analysis**, Los Angeles, California, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

20-21

**11th International Specialty Conference on Cold-Formed Steel Structures**, St. Louis, Missouri, USA; Contact: Dr. Wei-Wen Yu, Center for C-F Steel Structures, University of Missouri/Rolla, Rolla, MO 65401-0249, USA; 314/341-4467.

20-22

**Applications of Materials Technology in Engines Conference**, London, England; Contact: Institution of Mechanical Engineers, Conference Dept., 1 Birdcage Walk, Westminster, London SW1H 9JJ, England; 071/222-7899.

**3rd International Metals and Processing Conference & Tabletops**, Toronto, Ontario, Canada; Contact: SAMPE, P.O. Box 2459, Covina, CA 91722, USA; 818/331-0616.

**Advanced Metallization for ULSI Applications Conference**, Phoenix, Arizona, USA; Contact: Continuing Education in Engineering, University of California Ext., 2223 Fulton St., Berkeley, CA 94720, USA; 510/642-4151.

22-23

**Seminar: Experimental Techniques and Design in Composite Materials**, Cagliari, Sardinia, Italy; Contact: Prof. Francesco Ginesu, University of Cagliari, Dept. of Mechanical Engineering, Piazza d'Armi, 09123 Cagliari, Italy; 39/70-2000352.

25-29

**34th Mechanical Working and Steel Processing Conference**, Montreal, Quebec, Canada; Contact: Iron and Steel Society of AIME, Meetings Dept., 410 Commonwealth Dr., Warrendale, PA 15086-7512, USA; 412/776-1535.

**3rd International Conference on Plasma Surface Engineering**, Garmisch-Partenkirchen, Germany; Contact: Deutsche Gesellschaft für Galvano- und Oberflächentechnik, Kreuzstrasse 34, D-4000 Dusseldorf 1, Germany.

25-30

**4th Corrosion and Protection Conference/1st Pan-American Congress on Corrosion and Protection**, Mar del Plata, Argentina; Contact: Asociacion Argentina de Corrosion, Comision Organizadora (INGAR), Avda 3657, 3000 Sante Fe, Argentina; 54/42-50944.

26-20

**Laser Fundamentals & Systems**, Charlotte, North Carolina, USA; Contact: Engineering Technology Institute, P.O. Box 8859, Waco, TX 76714-8859, USA; 800/367-4238.

28-29

**Plastics In and For the Automotive Industry Conference**, Chicago, Illinois, USA; Contact: Society of Plastics Engineers, 14 Fairfield Dr., Brookfield, CT 06804-0403, USA; 203/775-0471.

28-30

**Symposium on Optical Materials for High-Power Lasers**, Boulder, Colorado, USA; Contact: D. Wilson, University of Central Florida, 12424 Research Pkwy., Ste. 400, Orlando, FL 32826, USA; 407/658-6834.

## November

1-4

**3rd International Ceramic Science and Technology Congress and Exposition**, San Francisco, California, USA; Contact:

American Ceramic Society, 757 Brookside Plaza Dr.,  
Westerville, OH 43012, USA; 614/890-4700.

2- 5

**Advanced Coatings Technology Conference and Exposition**, Chicago, Illinois, USA; Contact: MSC, ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

**6th International Conference on Surface Modification Technologies**, Chicago, Illinois, USA; Contact: TMS, 420 Commonwealth Dr., Warrendale, PA 15086, USA; 412-776-9050.

**Environmental Effects on Intermetallics, Ceramics and Composites Symposium**, Chicago, Illinois, USA; Contact: TMS, 420 Commonwealth Dr., Warrendale, PA 15086, USA; 412-776-9050.

**Machining of Composite Materials**, Chicago, Illinois, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

**Processing, Fabrication, and Manufacturing of Advanced Materials for High-Temperature Applications Symposium**, Chicago, Illinois, USA; Contact: TMS, 420 Commonwealth Dr., Warrendale, PA 15086, USA; 412-776-9050.

**Processing, Microstructure, and Property Relationships in Advanced PM Processes and Materials Symposium**, Chicago, Illinois, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

**Processing of Metal Matrix Composites Symposium**, Chicago, Illinois, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

**Inter-Materials Competition: Emerging Trends in the 90's**, Chicago, Illinois, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

**8th Annual Advanced Composites Conference/Exposition**, Chicago, Illinois, USA; Contact: ASM International, Materials Park, OH 44073-0002, USA; 216-338-5151.

5- 6

**3rd International Conference on Welding and Adhesive Bonding of Plastics**, Dusseldorf, Germany; Contact: Deutscher Verband für Schweißtechnik, Postfach 27 25, D-4000 Dusseldorf 1, Germany; 0211/154040.

8-13

**Computation Methods in Materials Processing Symposium**, Anaheim, California, USA; Contact: ASME, Conference Dept., 345 E. 47th St., New York, NY 10017, USA; 212/705-7722.

**Precision Machining: Technology and Machine Development and Improvement**, Anaheim, California, USA; Contact: ASME, Conference Dept., 345 E. 47th St., New York, NY 10017, USA; 212/705-7722.

**Advances in Finite Deformation Problems in Materials Processing and Structures Symposium**, Anaheim, California, USA; Contact: ASME, 345 E. 47th St., New York, NY 10017, USA; 212/705-7722.

**Engineered Surfaces**, Anaheim, California, USA; Contact: ASME, 345 E. 47th St., New York, NY 10017, USA; 212/705-7722.

**Constitutive Behavior of High-Temperature Composites**, Anaheim, California, USA; Contact: ASME, 345 E. 47th St., New York, NY 10017, USA; 212/705-7722.

9-13

**2nd National Conference on Advanced Ceramics/8th International Symposium on Ceramics**, Rimini, Italy; Contact: Rimini Trade Corp., CERMAT Secretariat, via della Fiera 52, Rimini, Italy; 0541/711-711.

10-13

**50th Electric Furnace Conference**, Atlanta, Georgia, USA; Contact: Iron and Steel Society of AIME, Meetings Dept., 410 Commonwealth Dr., Warrendale, PA 15086-7512, USA; 412/776-1535.

**Advanced Techniques for Surface Engineering**, Ispra, Italy; Contact: Mechanical and Material Science, Secretariat Euro-courses, Joint Research Centre, 1-21020 ISPRA (Varese), Italy; 332/789819.

14

**Surface Engineering of Polymers**, London, England; Contact: Institute of Materials, 1 Carlton House Terr., London SW1Y 5DB, England; 071/839-4071.

15-20

**7th Latin American Symposium on Surface Physics/1st Iberoamerican Congress on Surface Science and Applications**, Bariloche, Argentina; Contact: F.A. Ponce, Xerox PARC, 3333 Coyote Hill Rd., Palo Alto, CA 94304, USA; 415/494-4199.

16-17

**2nd Symposium on Cyclic Deformation, Fracture, and Non-destructive Evaluation of Advanced Materials**, Miami, Florida, USA; Contact: D. Savini, ASTM, 1916 Race St., Philadelphia, PA 19103, USA; 215/299-5400.

16-18

**8th International Meeting on Composite Materials**, Palaiseau, France; Contact: AMAC Secretary, Fast Mail, 26 Ave. Stendhal, 92140 Clamart, France.

**International Symposium on Developments in Tungsten, Its Alloys and Composites with Applications in Defense and Commercial Industries**, Washington, DC, USA; Contact: MPIF, W Symposium, 105 College Rds., E. Princeton, NJ 08540-6692, USA; 609/452-7700.

16-20

**Organic Coatings**, Hilton Head, South Carolina, USA; Contact: ACS, Meetings Dept., 1155 Sixteenth St., N.W., Washington, DC 20036, USA; 202/872-4401.

**Experimental Workshop on High T<sub>c</sub> Superconductivity: Basic Activities**, Trieste, Italy; Contact: International Centre for Theoretical Physics, P.O. Box 586, 1-43100 Trieste, Italy.

17-20

**8th International Congress on Heat Treatment of Materials**, Kyoto, Japan; Contact: Secretariat, c/o Research Institute for Applied Science, 49 Tanaka Ohi-cho, Sakyo-ku, Kyoto, 606 Japan; 75/451-0560.

18-19

**International Conference on Structural Modifications Induced by New Machining and Forming Processes**, Saint-Etienne, France; Contact: Cercle d' Etude des Metaux, 158 Cours Fauriel, 42023 Saint Etienne, France; 77/420123.

18-20

**International Conference on Failure Analysis & Reliability Engineering in Aerospace and Other Advanced Materials Applications**, Brussels, Belgium; Contact: MCS, ASM International, Materials Park, OH 44073-0002, USA; 216/338-5151.

22-25

**16th Biennial Polymer Symposium**, Palm Springs, California, USA; Contact: ACS, 1155 Sixteenth St., N.W., Washington, DC 20036, USA; 202/872-4401.