

mium. Affordable alternative disposal methods are in demand. *An asbestos destruction technique that efficiently melts the cancer-causing fibers into harmless gray chunks of glassy material* has shown

promise in a test by Georgia Tech researchers. The glassy material created in melting may be sold as concrete aggregate or molded into products such as bricks. Contact: Georgia Institute of Technology

Research Communications Office, Atlanta, GA 30332-0800; 404-894-3444.

National Laboratories

Sandia National Laboratories is successfully moving toward *replacement of standard gold plating techniques*, which use cyanide salts in an electrolytic solution, with plating that uses a gold sulfite solution. This is not only a safer process—it also produces a better-quality surface. Also at Sandia: *researching diamond film growth by CVD*. Using CVD reactors which typify commercial CVD diamond manufacturing systems, they are attempt-

ing to grow single-crystal diamond film at the lowest possible deposition (substrate) temperature. An immediate aim is toward diamond coating plastic substrates. Sandia National Laboratories, Albuquerque, NM; Livermore, CA.

Ten scientists and engineers from the U.S. Department of Energy's *Argonne National Laboratory* have recently been recognized for *technological advances in the areas of*

electric-vehicle batteries, novel lubricant materials, recycling of used, metallic fuel from advanced nuclear reactors, and for the development of chemical resins which separate various radioactive elements from chemical solutions. Argonne National Laboratory is operated by the University of Chicago for the U.S. Department of Energy.

Calendar of Events

1992

April 6-10

International Conference on Coatings and Thin Films, San Diego, CA, USA; Contact: S.V. Krishnaswamy, Westinghouse Science & Technology Center, 1310 Beulah Rd., Pittsburgh, PA 15235, USA; 412/256-1998.

April 7

Tribology in Metal Cutting and Grinding, London, UK; Contact: Institution of Mechanical Engineers, Conference Dept., 1 Birdcage Walk, Westminster, London SW1H 9JJ, UK; 071/222-7899.

April 7-9

Aerospace Atlantic Conference and Exposition, Dayton, OH, USA; Contact: Society of Automotive Engineers, Meetings Dept., 400 Commonwealth Dr., Warrendale, PA 15096, USA; 412/776-4841.

April 7-10

5th European Conference on Composite Materials, Bordeaux, FRANCE; Contact: Mrs. D. Doumeings, EACM, 2 Place de la Bourse, 33076 Bordeaux Cedex, FRANCE; 33/565-29894.

April 8-10

Institute of Ceramics Annual Convention, Cambridge, UK; Contact: Institute of Ceramics, Shelton House, Stoke-on-Trent ST4 2DR, UK; 0782/202116.

April 12-16

94th Meeting of the American Ceramic Society, Minneapolis, MN, USA; Contact: American Ceramic Society, 757 Brookside Plaza Dr., Westerville, OH, USA; 614/890-4700.

April 13-15

AIAA/ASME/ASCE/AHS 33rd Conference on Structures, Structural Dynamics and Materials, Dallas, TX, USA; Contact: American Institute of Aeronautics and Astronautics, Meetings Dept., 370 L'Enfant Promenade, S.W., Washington, DC 20024, USA; 202/646-7463.

April 13-15

International Magnetics, Magnetism, and Magnetic Materials Conference, St. Louis, MO, USA; Contact: Institute of Electrical and Electronic Engineers, Conference Dept., 345 E. 47th St., New York, NY 10017, USA; 212/705-7047.

April 20-23

28th Annual Aerospace/Airline Plating & Metal Finishing Forum & Exposition, San Diego, CA, USA; Contact: Society of Automotive Engineers, Meetings Dept., 400 Commonwealth Dr., Warrendale, PA 15096, USA; 412/776-4841.

April 22-24

JEC '92: European Composites Congress, Conference, and Exposition, Paris, FRANCE; Contact: CPC, 65 Rue de Prony, F-75017 Paris, FRANCE; 47/631259.

April 25-30

94th Annual General Meeting of the Canadian Institute of Mining and Metallurgy, Montreal, CANADA; Contact: Canadian Institute of Mining and Metallurgy, 1 Place Alexis Nihon, 3400 de Maisonneuve Blvd., W., Ste. 1210, Montreal, Quebec H3Z 3B8, CANADA.

April 27-29

Association of Iron and Steel Engineers Spring Conference, Dallas, TX, USA; Contact: Association of Iron and Steel Engi-

neers, Three Gateway Center, Ste. 2350, Pittsburgh, PA 15222, USA; 412/281-6323.

April 27-29

Conference on Recent Advances in Adaptive and Sensory Materials and Their Applications, Blacksburg, VA, USA; Contact: Ms. N. Feuerbach, Center for Intelligent Material Systems and Structure, Virginia Polytechnic Institute and State University, Blacksburg, VA 24061-0261, USA; 703/231-3365.

April 27 - May 1

Materials for Fossil Fuel Combustion and Conversion Systems Symposium, Nashville, TN, USA; Contact: National Association of Corrosion Engineers, P.O. Box 218340, Houston, TX 77218, USA; 713/494-0535.

April 27 - May 1

Advanced Metallization and Processing for Semiconductor Devices and Circuits II, San Francisco, CA, USA; Contact: Materials Research Society, Meetings Dept., 9800 McKnight Rd., Ste. 327, Pittsburgh, PA 15237, USA; 412/367-4373.

April 28-30

Seminar: Introduction to Plastic Materials and How to Choose Them, Materials Park, OH, USA; Contact: Mrs. L. Lucarelli, MEI, ASM International, Materials Park, OH 44073, USA; 216/338-5151.

April 28 - May 1

Composite Materials and Structures, Tempe, AZ, USA; Contact: American Society of Mechanical Engineers, Conference Dept., 345 E. 47th St., New York, NY 10017, USA; 212/705-7722.

April 28 - May 3

11th International Conference on NDE in the Nuclear and Pressure Vessel Industries, Albuquerque, NM, USA; Contact: Glen Light, ASM International, Materials Park, OH 44073, USA; 216/338-5151.

May 4-5

2nd Symposium on Advances in Fatigue Lifetime Predictive Techniques, Pittsburgh, PA, USA; Contact: Dorothy Savini, Symposia Operations, ASTM, 1916 Race St., Philadelphia, PA 19103, USA; 215/299-5400.

May 4-5

11th Symposium on Composite Materials, Pittsburgh, PA, USA; Contact: Dorothy Savini, Symposia Operations, ASTM, 1916 Race St., Philadelphia, PA 19103, USA; 215/299-5400.

May 4-6

Advances in Hard Materials Production, Bonn, GERMANY; Contact: Conference Organiser, HMP 92, MPR Publishing Services, Ltd., Old Band Bldg., Bellstone, Shrewsbury SY1 1HU, UK; 743/364 675.

May 11-13

13th International Conference of SAMPE European Chapter, Hamburg, GERMANY; Contact: SAMPE '92, P.O. Box 302480, D-2000 Hamburg 36, GERMANY; 40/3569-2243.

May 11-15

11th International Conference on Vacuum Metallurgy, Antibes, FRANCE; Contact: Societe Francaise de Metallurgie et de Matériaux (SF2M), 1, rue Paul Cezanne, 75008 Paris, FRANCE; 1/49 59 71 00.

May 11-15

3rd International Conference on Advances in Coatings and Surface Engineering for Corrosion and Wear Resistance, Newcastle-upon-Tyne, UK; Contact: Dr. J.S. Gray, Surface Engineering Research Group, Ellison Bldg., The Polytechnic, Newcastle-upon-Tyne NE1 8ST, UK.

May 17-20

Spring Week: Federation of Societies for Coatings Technology, Boston, MA, USA; Contact: FSCT, 492 Norristown Rd., Blue Bell, PA 19422, USA; 215/940-0777.

May 17-20

44th International Industrial Engineering Conference, Chicago, IL, USA; Contact: Jill Obereiner, Institute of Industrial Engineers, 25 Technology Park, Atlanta, Norcross, GA 30092, USA; 404/449-0460.

May 17-21

Australasian Institute of Mining and Metallurgy Annual Conference, Broken Hill, New South Wales, AUSTRALIA; Contact: Australasian Institute of Mining and Metallurgy, Conference Dept., P.O. Box 122, Parkville, Victoria 3052, AUSTRALIA; 03/347-3166.

May 18-21

AEROMAT '92: Advanced Aerospace Materials/Processes Conference and Exposition, Anaheim, CA, USA; Contact: MCSC, ASM International, Materials Park, OH 44073, USA; 216/338-5151.

May 19-21

EASTEC '92, West Springfield, MA, USA; Contact: Robert Kian, Society of Manufacturing Engineers, One SME Dr., P.O. Box 930, Dearborn, MI 48121-0930, USA; 313/271-1500.

May 19-22

High-Tech Materials Exhibition '92, Makuhari, JAPAN; Contact: High-Tech Materials Exhibition 1992, Nihon Keizai Shim-bun, Inc., General Projects Dept., 1-9-5 Otemachi, Chiyoda-ku, Tokyo 100-66, JAPAN; 03/3243-9082.

May 19-24

ILA International Aerospace Technologies Exhibition, Hannover, GERMANY; Contact: Deutsche Messe AG, Messegelände, D-3000 Hannover 82, GERMANY; 0511/890.

May 26-29

4th International Conference on Composite Interfaces, Cleveland, OH, USA; Contact: Prof. Hatsuo Ishida, Dept. of Macromolecular Science, Case Western Reserve University, Cleveland, OH 44106, USA; 216/368-4285.

May 31 - June 4

12th Scandinavian Corrosion Congress & EUROCORR '92, Espoo, FINLAND; Contact: P.J. Tunturi, Finncorr, P.O. Box 383, SF-02151 Espoo, FINLAND; 358/0 4354 3715.

May 31 - June 5

3rd AIM Conference on Advanced Topics in Polymer Science, Gargnano, ITALY; Contact: G. Marrucci & L. Nicolais, Engineering Faculty, University of Naples, Piazzale Tecchio, 80125 Napoli, ITALY; 768/2273.