



PII S0008-8846(96)00079-8

## NEWS ITEMS

## Calendar of Events

- International Congress on Concrete in the Service of Mankind,** **June 24-28, 1996**  
Dundee, Scotland. Information: Prof. R.K. Dhir, Concrete Technology Unit, University of Dundee, Dundee DD1 4HN, U.K. Tel: +44-382-344347; Fax: +44-382-344816.
- 3rd International Conference on Solid State Chemistry '96,** **July 6-12, 1996**  
Bratislava. Information: Institute of Inorganic Chemistry, Slovak Academy of Sciences. Fax: 42 7 373 541; E-mail: ssch96@savba.sk.
- Gordon Research Conference on The Chemistry and Physics of Cement-Based Materials,** **July 28-August 2, 1996**  
Plymouth State College, Plymouth, NH, USA. Information: Francis Young, University of Illinois, 105 S. Goodwin Ave, Urbana, IL USA. Fax: (217) 244-6917. e-mail: young@uxl.cso.uiuc.edu.
- 3rd CANMET/ACI International Conference on Concrete in a Marine Environment,** **August 4-9, 1996**  
The Algonquin Hotel, St. Andrews-by-the-Sea, New Brunswick, Canada. Information: Dr. V.M. Malhotra, CANMET, 405 Rochester St., Ottawa, Ontario, Canada K1A 0G1. Fax: (613) 922-9389.
- 7th Advanced Cement-Based Materials/NIST Computer Modeling Workshop,** **August 5-8, 1996**  
Gaithersburg, Maryland, USA. Information: Edward J. Garboczi, National Institute of Standards and Technology, 226/B350, Gaithersburg, MD 20899 USA. Tel: (301) 975-6708; Fax: (301) 990-6891. e-mail: garbocz@enh.nist.gov.
- 10th International Conference on Alkali-Aggregate Reaction in Concrete,** **August 19-23, 1996**  
The Regent Hotel, Melbourne, Australia. Information: Dr. S. Shayan, 10th International AAR Conference, C/-CSIRO Division of Building Construction and Engineering, PO Box 56, Highett, Victoria, Australia 3190.
- 21st Conference on Our World in Concrete & Structures,** **August 26-28, 1996**  
Hotel New Otani, Singapore. Information: John S.Y. Tan, Conference Director, 150 Orchard Road, #07-14 Orchard Plaza, Singapore 238841. Tel: (065) 7332922; Fax: (065) 2353530.

**World Innovations for the 21st Century, the ACI/SCA International Conference on Sprayed Concrete and Shotcrete, Edinburgh, Scotland, UK.** Information: Sprayed Concrete Association, Association House, 235 Ash Road, Aldershot, Hampshire GU12 4DD, U.K. Tel: +44 (0) 1252 21302; Fax: +44 (0) 1252 333901. **September 10-11, 1996**

**ACI Convention, Hyatt Regency, New Orleans, LA.** Information: Conventions and Meetings, American Concrete Institute, P.O. Box 19150, Detroit, MI 48219-0150 USA. **November 3-8, 1996**

**5th NCB International Seminar on Cement and Building Materials, New Delhi, India.** Information: The Organizing Secretary, Fifth NCB International Seminar, National Council for Cement and Building Materials, Post Box No. 3885, P 21 South Extension II, New Delhi - 110 049, India. **November 25-29, 1996**

**ACI Spring Meeting, Warwick Hotel, Seattle, WA.** Information: Conventions and Meetings, American Concrete Institute, P.O. Box 19150, Detroit, MI 48219-0150 USA. **April 6-11, 1997**

**18th Biennial Conference on Concrete 97: Concrete for the Future, Adelaide Convention Centre, Adelaide, Australia.** Information: Conference Manager, Concrete Institute of Australia, P.O. Box 452, Hindmarsh, 5007, South Australia. Tel: (61-8) 346 9722; Fax: (61-8) 346 9215. **May 14-16, 1997**

**4th CANMET/ACI International Conference on Durability of Concrete, Sydney Hilton Hotel, Sydney, Australia.** Information: V.M. Malhotra, CANMET, 405 Rochester St., Ottawa, Ontario, Canada K1A 0G1. Fax: (613) 992-9389. **August 17-22, 1997**

**5th CANMET/ACI International Conference on Super-plasticizers and Other Chemical Admixtures in Concrete, Venice, Italy.** Information: V.M. Malhotra, CANMET, 405 Rochester St., Ottawa, Ontario, Canada K1A 0G1. Fax: (613) 992-9389. **October 8-10, 1997**

### Call for Papers

**The Materials Research Society** has issued a call for papers for its 1996 Fall Meeting—this year held in conjunction with ICEM-96 (International Conference on Electronic Materials)—December 2-6, 1996 in Boston, MA. The meeting includes tutorial reviews in selected topics, an exhibit, and 35 symposia which cover a range of cross-disciplinary topics, and provides attendees a forum for the exchange and discussion of information at the forefront of materials research. Traditional MRS topics include: beam-solid interactions, X-ray and neutron scattering, dynamics in small confining systems, intermetallic alloys, synthesis and properties of catalytic materials, thin films and surfaces, and high temperature superconductivity.

New topics appearing at this meeting include: Electrochemical Synthesis; Materials for Microsystems; Solid-state Chemistry of Inorganic Materials; Morphological Control in Multiphase Polymer Systems; and Low-dielectric Constant Materials. Abstract deadline: June

21, 1996. For complete meeting information, contact Merry N. Geil, Materials Research Society, 9800 McKnight Road, Pittsburgh, PA 15237-6006. Tel: (412) 367-3004, ext. 301; Fax: (412) 367-4373; E-mail: geil@mrs.org.

**Symposium (HH) on Structure-Property Relationships in Hardened Cement Paste and Composites**, will be held during the Materials Research Society Fall Meeting, December 2-6, 1996, Boston, MA USA. Papers are invited on all relevant aspects including:

- theoretical advances in predicting structure-property-composition relationships;
- advances in characterization techniques;
- advanced characterization techniques applied to real materials;
- laboratory pilot or full-scale studies showing how control over the structure of hardened paste can be used to control property-composition relationships;
- application of characterization techniques to the control of structure-property relationships;
- constitutive modeling and mechanical properties of cement-based materials;
- design of novel systems, including processing techniques and property interactions;
- cement-based composites with ultrafine and hybrid fibers; manufacturing techniques for cementitious materials;
- characterization for durability and design systems for severe environments;
- process of fracture in cementitious materials; characterization of mechanical properties, and their interrelationship with microstructure;
- toughening mechanisms-relationship between microstructure and macroproperties; mathematical modeling of interfacial zone, effect of interfacial zone on the durability and embrittlement of cement-based materials.

Camera-ready Abstracts (max. 127 mm x 127 mm) submitted to MRS Headquarters, 9800 McKnight Road, Pittsburgh, PA 15237-6006 or Fax (412) 367-4373 by June 21, 1996.

For additional information, contact Symposium Co-Chair: Della M. Roy, 217 Materials Research Laboratory, Pennsylvania State University, University Park, PA 16802 USA. Tel: (814) 865-1196; Fax: (814) 863-7040 or 865-2326;

Abstracts are due June 21, 1996 on MRL format 5 in. (12.7 cm) x 5 in. (12.7 cm) to MRL Headquarters. Fax: (412) 367-4373 with hard copy to MRS, 9800 McKnight Road, Pittsburgh, PA 15237-6006.

**10th International Congress on The Chemistry of Cement** will be held in Gothenburg, Sweden, June 2-7, 1997. The Congress intends to reflect advances in all aspects of cement science. Original papers are welcome; the following list is indicative of the coverage:

- Clinker production: New processes; low energy clinker formation; utilization of industrial by-products and wastes; application of mineralizers; modifiers and activators; correlating process parameters with clinker properties; clinker structure and mineralogy.
- Portland, bended and special (e.g. high alumina) cements.
- Utilization of admixtures; water reducers, air entrainers; accelerators, retarders and polymers.
- Performance and durability of concrete and cement based systems.
- Developments in characterization techniques: Nuclear magnetic resonance (NMR); x-ray diffraction (XRD); diffraction by synchrotron radiation or neutrons; scanning electron microscopy; other techniques.

Suggestions for special topics or mini-seminars will also be considered. Send three copies of the abstract to The 10th ICC Organizer, c/o Congrex, Box 5078, S-402 22 Gothenburg, Sweden by post or courier. A preliminary fax copy may be sent (Fax: +46 31-20-36-20) but must be supplemented by plain paper copies by mail.

The scientific papers accepted for presentation will be grouped by the Scientific Committee into three categories: 1) full publication; 2) oral presentation; 3) poster presentations. The latter two categories will appear in the printed proceedings as informative summaries, up to two pages. All published papers will be refereed.

Sixth Euroseminar on **Microscopy Applied to Building Materials** will be held June 25-27, 1997 in the Haskolabio Congress Center, Reykjavik, Iceland. The Euroseminar will focus on the following subjects: Microscopic structure of stony building materials (concrete, natural stone, cement, bricks, mortar etc.); optical and electron microscopes and preparation techniques; Image analysis, modeling and application; cement properties (grindability, burning conditions, phase characteristics, kiln performance, etc.); and environmental attack on cement based materials. Proposals for abstracts/posters of original, non-published papers should be submitted to the Organizing Committee no later than November 15, 1996. The abstracts should be written in English with the author's name, address and affiliations on top of the page and must not exceed 250 words. The authors will be informed about acceptance of the abstracts before January 15, 1997 together with the instructions for the preparation of the final version. Final manuscripts to be published in the proceedings are requested before March 15, 1997. Send to Edda Lilja Sveinsdottir, member of the Organizing Committee, Icelandic Building Research Institute, Keldnaholt, IS-112 Reykjavik, Iceland. Tel: +354 554 1400; Fax: +354-554 1472; e-mail: [incentiv@ismennt.is](mailto:incentiv@ismennt.is).

Announcing the 5th International Symposium on **Brittle Matrix Composites (BMC 5)**, 13-15 October 1997, Staszic Place, Warsaw, Poland. The objective of the Symposium is to review the current status and developments on all aspects of brittle matrix composites, associated with four main groups: High strength composites; brittle polymer composites; ceramics, and cement-based materials. List of topics include: Design studies and computational methods; theoretical considerations; prediction of behaviour, durability; fracture mechanics; experimental methods and results; and applications and manufacturing processes. The program will comprise invited keynote papers and contributed oral presentations. Accepted papers will be advancing knowledge and/or technology. All papers will be published and will be available at the Symposium. Papers will be presented and discussed in English. Scientific sponsoring of the Symposium by the RILEM is expected. To receive information about BMC 5, and to indicate interest in participation, contact Professor A.M. Brandt, IFTR, Swietokrzyska 21, 00-049 Warsaw, Poland. Fax: (4822) 269815; e-mail: [abrandt@ippt.gov.pl](mailto:abrandt@ippt.gov.pl).

### Announcement

The **RILEM** (International Union of Testing and Research Laboratories for Materials and Structures) Technical Committee 119 TCE, "Avoidance of Thermal Cracking in Concrete at Early Ages," is compiling the available computer programs for evaluation of thermal stresses and cracking risk in a **database**. For this purpose, the Committee invites all authors and/or suppliers of such software to report the following information: The name of the computer program; the name and address of the responsible person to contact; the scope of computation; and reference objects to Prof. Dr. Mats Emborg, Technical University of Luleå, Division of Structural Engineering, S-97187 Luleå, Sweden. Tel: +46 920 91 000; Fax: +46 920 91 913; E-mail: [mats.emborg@anl.luth.se](mailto:mats.emborg@anl.luth.se). The data base is to be published in the RILEM State of The Art Report "Models and Methods for Computation of Thermal Stresses and Cracking Risks." If you want your have your program listed in international literature, please contact Prof. Emborg.