

# AIMS AND SCOPE

# Advanced Cement Based Materials

Advanced Cement Based Materials provides a unique international and interdisciplinary forum for previously unpublished research on the preparation, characterization, processing, and uses of advanced cements and concretes. Articles on fundamental relationships between microstructure, processing, and engineering properties of cementitious materials are of prime interest. The Journal publishes the latest information on the development and uses of these improved materials, which scientists, engineers, and researchers are only now beginning to explore together.

Advanced Cement Based Materials integrates work in civil engineering, chemistry, materials science, physics, electrical engineering, theoretical and experimental mechanics, geology, and petroleum and environmental engineering. The Journal publishes original peer-reviewed research articles, as well as technical notes, review articles, conference papers, government and industry news, and book reviews. Manuscripts in all categories are published rapidly so that new ideas are available to both researchers and practitioners in a timely fashion.

## EDITOR-IN-CHIEF Surendra P. Shah, Director

NSF Center for Advanced Cement Based Materials
Department of Civil Engineering
Northwestern University
2145 Sheridan Road, Room A130
Evanston, Illinois 60208-4400
Ph: (708) 491-3858 Fx: (708) 467-1078

# COEDITOR J. Francis Young, Director

Center for Cement Composite Materials
205 Ceramics Building
105 S. Goodwin Avenue
University of Illinois at Champaign-Urbana
Urbana, Illinois 61801
Ph: (217) 244-6210 Fx: (217) 244-6917
Email: young@uxl.cso.uiuc.edu

#### ASSOCIATE EDITORS

# Hans-Wolf Reinhardt

Email: spshah@casbah.acns.nwu.edu

Universität Stuttgart Institut für Werkstoffe im Bauwesen Pfaffenwaldring 4 D-70550 Stuttgart Germany Ph: 49 711 685 3323

Fx: 49 711 685 6820

Email: reinhardt@po.uni-stuttgart.de

## Hiroshi Uchikawa

Executive Director of R&D Onoda Cement Co., Ltd. No. 2-4-2; Ohsaku, Sakura Chiba, 285 Japan Ph. 81 43 498 3822

Ph: 81 43 498 3822 Fx: 81 43 498 3809

### EDITORIAL BOARD

Pierre-Claude Aitcin Universite de Sherbrooke, Sherbrooke, Quebec, Canada

Zdenek P. Bazant Northwestern University, Evanston, IL, USA

James Beaudoin National Research Council, Ottawa, Ontario, Canada

> David Darwin University of Kansas, Lawrence, KS, USA

Manuel Elices Escuela de Ingenieros de Caminos, Ciudad Universitaria, Madrid, Spain

> Göran Fagerlund University of Lund, Sweden

Edwin R. Fuller, Jr.
National Institute of Standards and Technology,
Gaithersburg, MD, USA

Edward Garboczi National Institute of Standards and Technology, Gaithersburg, MD, USA

Christopher Hall Schlumberger Cambridge Research Ltd., Cambridge, UK

> Vagn Johansen G.M. Idorn Consult A.S., Birkeroed, Denmark

Bhusan L. Karihaloo University of Sydney, Sydney, New South Wales, Australia

Albert S. Kobayashi University of Washington, Seattle, WA, USA

J.C. Maso Institute National des Sciences Appliquees, Toulouse, France

> Franco Massazza Italcementi, SPA, Bergamo, Italy

Jacky Mazars Ecóle Normale Supérieure, Cachan, France

Shigeyoshi Nagataki Tokyo Institute of Technology, Tokyo, Japan

P. Paramasivam
National University of Singapore,
Singapore

Peter L. Pratt Imperial College of Science and Technology, London, UK

> Lawrence R. Roberts W.R. Grace & Company, Cambridge, MA, USA

Jan P. Skalny Consultant Owings Mills, MD, USA

Folker H. Wittman Institute for Building Materials, Zurich, Switzerland