



# Advanced Cement Based Materials

## AIMS AND SCOPE

**Advanced Cement Based Materials** provides a unique international and interdisciplinary forum for previously unpublished research on the preparation, characterization, processing, and uses of advanced cements and concretes.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: (847) 491-3858 Fx: (847) 467-1078  
Email: spshah@casbah.acns.nwu.edu

### 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: if-young@vive.edu

---

### ASSOCIATE EDITORS

**Hans-Wolf Reinhardt**

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  
Fx: 81 43 498 3809

---

### EDITORIAL BOARD

Pierre-Claude Aitcin  
Université 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.,  
Virum, 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 Appliquées,  
Toulouse, France

Franco Massazza  
Italcementi, SPA,  
Bergamo, Italy

Jacky Mazars  
École Normale Supérieure,  
Cachan, France

Shigeyoshi Nagataki  
Tokyo Institute of Technology,  
Tokyo, Japan

P. Paramasivam  
National University of Singapore,  
Singapore

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

Karen Scrivener  
Imperial College of Science,  
Technology and Medicine  
London, United Kingdom

Jan P. Skalny  
c/o Majesty  
4 Wilfred Ave.  
Toronto, Ontario M4S 2H9 Canada

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