International Journal of HIGH TECHNOLOGY CERAMICS

The International Journal of High Technology Ceramics will concentrate its attention on research papers which deal with the development, fabrication and utilisation of modern ceramic materials that have technological, as well as commercial potential. The Journal will publish papers of high scientific standard and will provide a much needed interface for scientists, technologists and engineers working with ceramic materials. Attention will also be given to the concept of ceramic engineering, be it for mechanical, electrical, magnetic or other special applications.

Manufacturing-related topics with which this Journal will be concerned include: powder synthesis, processing and fabrication techniques such as slip casting, injection mouldings, isostatic pressing, CVD and hipping.

Materials to be covered in the areas of engineering and electrical ceramics will include silicon carbide, silicon nitride, sialons, alumina, zirconia and zirconates, titanates, ferrites and aluminates.

Papers dealing with the interaction between design, manufacture and microstructural control will be particularly welcome.

Editor

DR PAUL POPPER

c/o Department of Ceramics, University of Leeds, Leeds LS2 9JT, UK

Japanese Co-ordinator

PROFESSOR S. SOMIYA

Tokyo Institute of Technology, Research Laboratory of Engineering Materials, 4259 Nagatsuta, Midori-ku, Yokohama 227, Japan

P. Boch

ENSCI, Limoges, France

R. C. Bradt University of Washington, Seattle, USA

R. Carlsson Swedish Institute of Silicate Research,Gothenburg, Sweden

J. B. Clark National Institute for Materials Research, CSIR, Pretoria, South Africa

D. R. Clarke

IBM, Thomas J. Watson Research Center, Yorktown Heights, New York, USA

N. Claussen Werkstoffphysik, Technische Universität Hamburg-Harburg, Hamburg, FRG

L. E. Cross Pennsylvania State University, Pennsylvania, USA

R. F. Davis North Carolina State University, Raleigh, USA

A. G. Evans University of California, Berkeley, USA

K. Hamano Tokyo Institute of Technology, Yokohama, Japan

Y. Hamano Kyocera Central Research Laboratory, Kokubu City, Japan

M. P. Harmer Lehigh University, Bethlehem, Pennsylvania, USA

H. Hausner Institüt für Nichtmetallische Werkstoffe, Technische Universität Berlin, FRG

D. Hennings Philips GmbH, Aachen, FRG

T. Inomata NIRIM, Ibaraki, Japan

North American Co-ordinator

DR R. N. KATZ US Army Laboratory Command, Materials Technology Laboratory, Watertown, Massachusetts 02172-0001, USA

Assistant Editors

DR A. J. MOULSON, DR F. L. RILEY, DR R. STEVENS Department of Ceramics, University of Leeds, Leeds LS2 9JT, UK

Editorial Board

M. Koizumi Institute of Science & Industrial Research, Osaka University, Japan

Katsutoshi Komeya Toshiba Corporation, Yokohama, Japan

G. Petzow Max-Planck Institüt für Metallforschung, Stuttgart, FRG

M. Shimada Faculty of Engineering, Tohoku University, Miyagi, Japan

N. Soga Kyoto University, Japan

M. Swain CSIRO, Victoria, Australia

F. Thümmler Institut für Werkstoffkunde 11, Universität Karlsruhe (TH), FRG

J. B. Wachtman Rutgers State University, Piscataway, New Jersey, USA

K. Wakino Murata Manufacturing Co. Ltd, Kyoto, Japan

T. J. Whalen Ford Motor Company, Dearborn, Michigan, USA

R. R. Wills TRW Inc., Cleveland, Ohio, USA

H. Yanagida Faculty of Engineering, Tokyo University, Tokyo, Japan

T. S. Yen Chinese Academy of Sciences, Beijing, P.R. China

G. Ziegler DFVLR, Cologne, FRG