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. SŌMIYA

Nishi Tokyo University, 3-7-19, Seijo, Setagaya, Tokyo 157, 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

T. Inomata

NIRIM, Ibaraki, Japan

M. Koizumi

Institute for Science & Technology, Ryukoku University Fukakusa, Kyoto, 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

Institüt 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. Yanaqida

Faculty of Engineering, Tokyo University, Tokyo, Japan

T S Van

Chinese Academy of Sciences, Beijing, P.R. China

G. Ziegler

DFVLR, Cologne, FRG

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