

https://doi.org/10.1017/S0263574700008754 Published online by Cambridge University Press

## ROBOTICA

INTERNATIONAL JOURNAL OF INFORMATION, EDUCATION & RESEARCH IN ROBOTICS & ARTIFICIAL INTELLIGENCE

## EDITOR:

Dr J. Rose, Director-General of the World Organisation of General Systems and Cybernetics. Dainichi-Sykes Robotics Professor in Advanced Manufacturing Technology at The University of Salford (U.K.).

4 Pleck Farm Avenue, Blackburn BB1 8PE, UK

## **DEPUTY EDITORS:**

Dr E.W. Kent,\* National Bureau of Standards, Bldg. 220, Room A123, Washington D.C. 20234, USA

Dr Y.-L. Oh, Centre for Robotics, Chisholm Institute of Technology, Caulfield Campus, 900 Dandenong Road, Caulfield East, Vic. 3145, Australia

Professor Y Umetani, Dept. of Physical Engineering, Tokyo Institute of Technology, Ookayama, Meguro-ku, Tokyo, Japan

Dr P. Coiffet, D.I.E.I., 30–32 Rue Guersant, 75017 Paris, France.

EDITOR, ROBOTICS REPORTS AND SURVEYS: Mr B.H. Rudall, School of Mathematics and Computer Science, University College of North Wales, Bangor, Gwynedd LL57 2UW, UK

## EDITORIAL BOARD

I. Aleksander, U.K.	V. Nicolo, Italy.
H. van Brussel, Belgium	J.M. Nightingale, U.K.
C.W. Burckhardt, Switzerland	R. Reddy, U.S.A.
K. Desoyer, Austria	H.H. Rosenbrock, U.K.
P.J.V. Drazan, U.K.	B.M. Sallot, U.S.A.
M.J. Dunne, U.S.A.	G.N. Sandor, U.S.A.
J.F. Harris, U.K.	A. Siegler, Hungary
K.H. Hunt, Australia	M. Takata, Japan
M. Ito, Japan	W.K. Taylor, U.K.
C.H. Kahng, U.S.A.	M.W. Thring, U.K.
M. Kassler, Australia	S. Tsuji, Japan
T.K. Lien, Norway	P. Vidal, France
X.S. Lu, P.R. China	HJ. Warnecke, F.R.G.
K.L. McRoberts, U.S.A.	

\* With reference to Dr Kent's deputy-editorship of this journal, it is to be noted that Robotica is not affiliated with the U.S. Government, nor do its contents necessarily reflect the opinion of the U.S. Dept. of Commerce.

Robotica aims to endow robotics with an authoritative, competent and dedicated journal to serve industry, research and education. It will provide an international forum for the multidisciplinary subject of robotics and help to encourage developments in this important field of automation. It will cover the many aspects of robotics, including sensory perception, software (in the widest sense), particularly in regard to programming languages and links with master computers and CAD/CAM systems, control devices, the study of kinematics and dynamics involved in robot design, design of effectors and ancillary manipulators, problem solving, world model representation, development of relevant educational courses, training methods, analysis of managerial and social policy, economic and cost problems, and items of theoretical and practical interest. As well as original papers, the journal will publish research notes, book reviews, conference reports and letters to the editor.

C Cambridge University Press 1984

Subscriptions: Robotica (ISSN 0263-5747) is published quarterly in January, April, July and October. The subscription price (which includes postage) of Volume 2, 1984 is £45 net (US \$110 in USA and Canada) for institutions and £25 (US \$49.50 in USA and Canada) for individuals certifying that the Journal is for their personal use. Single parts cost £13.50 net (US \$33 in USA and Canada) plus postage. Four parts form a volume. Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publishers: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU (U.K.). Orders from the USA or Canada should be sent to Cambridge University Press, 32 East 57th Street, New York, NY 10022, USA. Copies of the Journal for subscribers in the USA and Canada are sent by air to New York to arrive with minimum delay. Application to mail at second class postage rates is pending at New York, NY, and at additional mailing offices. POSTMASTER: send address changes in USA and Canada to Robotica, Cambridge University Press, 32 East 57th Street, New York, NY 10022.

**Copying:** This journal is registered with the Copyright Clearance Center, 21 Congress St., Salem, Mass. 01970. Organizations in the USA who are also registered with CCC may therefore copy material (beyond the limits permitted by sections 107 and 108 of US copyright law) subject to payment to CCC of the per-copy fee of \$05.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0263-5747/84/0000-0001 \$05.00.

ISI Tear Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, USA, is authorised to supply single copies of separate articles for private use only.

For all other use, permission should be sought from the Cambridge or New York offices of Cambridge University Press.