# European Journal of **VOLUME 26 · PART 4 · AUGUST 2015**

Featuring
Surveys in Industrial and
Applied Mathematics

**CAMBRIDGE**UNIVERSITY PRESS

## CO-EDITORS-IN-CHIEF

# S. D. Howison

Mathematical Institute, University of Oxford, Radcliffe Observatory Quarter, Woodstock Road, Oxford, OX2 6GG ejam@cambridge.org

# A. A. Lacev

Department of Mathematics, Heriot-Watt University, Riccarton, EDINBURGH EH14 4AS

### M. J. Ward

Department of Mathematics, 121-1984 Mathematics Rd, University of British Columbia, Vancouver BC, CANADA V6T 1Z2

# ASSOCIATE EDITORS

P. Bressloff, Department of Mathematics, 155 South 1400 East 233 JWB, University of Utah, Salt Lake City, UT 8411, USA Martin Burger, Institute for Computational and Applied Mathematics, University of Muenster, Einsteinstrasse 62, D-48149 Minster Germany

Z. Chen, Institute of Computational Mathematics, Academy of Mathematics and Systems Science, Chinese Academy of Sciences, Beijing 100080, CHINA

P.A. Clarkson, Institute of Mathematics & Statistics, University of Kent at Canterbury, Cornwallis Building Canterbury, Kent UK Paul Dellar, Mathematical Institute, University of Oxford, Radcliffe Observatory Quarter, Woodstock Road, Oxford, OX2 6GG Radek Erban, Mathematical Institute, University of Oxford, Radcliffe Observatory Quarter, Woodstock Road Oxford, OX2 6GG A. Goriely, Mathematical Institute, University of Oxford, Radcliffe Observatory Quarter Woodstock, Road Oxford, OX2 6GG M. Herrero, Dept de Matematica Aplicada, Facultad de Matematicas, Universidad Complutense, Ciudad Universitaria s/n, 28040 Madrid, SPAIN

J. R. King, School of Mathematical Sciences, University of Nottingham, University Park, Nottingham NG7 2RD, UK Rachel Kuske, Department of Mathematics, University of British Columbia, #121-1984 Mathematics Road, Vancouver BC V6T 1Z2, CANADA

Ben Leimkuhler, School of Mathematics, James Clerk Maxwell Building, King's Buildings, University of Edinburgh, Edinburgh, EH9 3.JZ, UK

Mark Peletier, Department of Mathematics, Technical University of Eindhoven, Den Dolech 2 P.O. Box 513, 5600 MB EINDHOVEN, NETHERLANDS

Mason Porter, Mathematical Institute, University of Oxford Radcliffe Observatory Quarter, Woodstock Road Oxford, OX2 6GG Mary Pugh, Department of Mathematics University of Toronto 40 St George St, Room 6290, Toronto, Ontario M5S 2E4, CANADA V. V. Pukhnachov, Laurentyev Institute of Hydrodynamics, Siberian Division of Russian Academy of Sciences, Novosibirsk 630090, RUSSIA

J. Rubinstein, Department of Mathematics, Technion, Haifa 32000, ISRAEL

F. Santosa, School of Mathematics, University of Minnesota, 127 Vincent Hall, 206 Church Street SE, Minneapolis, MN 55455, USA, A. Wiese, Department of Actuarial Mathematics and Statistics, School of Mathematical and Computer Sciences, Heriot-Watt University, Edinburgh EH14 4AS, UK

Tom Witelski, Department of Mathematics Duke University, Box 90320 Durham, North Carolina 27708-0320 USA

# © CAMBRIDGE UNIVERSITY PRESS 2015 SUBSCRIPTIONS

European Journal of Applied Mathematics (ISSN 0956-7925) is published bimonthly in February, April, June, August, October and December. The 2015 subscription price (excluding VAT) of a volume is £545 (US \$967 in USA, Canada and Mexico). EU subscribers (outside the UK) who are not registered for VAT should add VAT at their country's rate. VAT registered members should provide their VAT registration number. Japanese prices for institutions (including ASP delivery) are available from Kinokuniya Company Ltd, P.O. Box 55, Chitose, Tokyo 156, Japan.

PUBLISHED BY THE PRESS SYNDICATE OF THE UNIVERSITY OF CAMBRIDGE The Pitt Building, Trumpington Street, Cambridge CB2 1RP, United Kingdom

# CAMBRIDGE UNIVERSITY PRESS

University Printing House, Shaftesbury Road, Cambridge CB2 8BS, United Kingdom 32 Avenue of the Americas, New York, NY 10013–2473, USA 477 Williamstown Road, Port Melbourne, VIC 3207, Australia Ruiz de Alarcón 13, 28014, Madrid, Spain Dock House, The Waterfront, Cape Town 8001, South Africa