# SCIENCE IN CONTEXT



CAMBRIDGE CONVERSITY PRESS

CAMBRIDGE

### EDITORS

Asaf Goldschmidt, Department of East Asian Studies,

Tel Aviv University

Alexandre Métraux, Archives Henri Poincaré, Université Nancy 2, France Jürgen Renn, Max-Planck-Institut für Wissenschaftsgeschichte, Berlin

ASSISTANT EDITOR Miki Elazar, Max-Planck-Institut für Wissenschaftegeschichte, Berlin

### EDITORIAL BOARD

Mohammed Abattouy, Fez University,<br/>MoroccoPet<br/>MoroJed Z Buchwald, California Institute of<br/>TechnologyIf<br/>Gia<br/>Gia<br/>Gia<br/>Robert S Cohen, Boston UniversityRobert S Cohen, Boston UniversityThat<br/>Leo Corry, Tel Aviv UniversityLorraine Daston, Max-Planck-Institut für<br/>Wissenschaftsgeschichte, BerlinRog<br/>Jean-Claude Dupont, University of Amiens,<br/>FranceSven Dupré, University of Ghent, Belgium<br/>Yehuda Elkana, Central European University,<br/>Budapest, HungaryMat<br/>Mat<br/>Mat<br/>Mat<br/>Rivka Feldhay, Tel Aviv University

Peter L. Galison, Harvard University
Paolo Galluzzi, University of Florence, Italy
Giora Hon, University of Haifa, Israel
Thomas P Hughes, University of Pennsylvania
Irina Podgorny, Universidad de La Plata, Argentina
Roger Smith, Academy of Sciences, Moscow
Baichun Zhang, Chinese Academy of Sciences, Beijing

### **Managing Editor**

*Miriam Greenfield*, The Cohn Institute for the History and Philosophy of Science and Ideas, Tel Aviv University

*Science in Context* acknowledges the support of Bertram J and Barbara Cohn of the Cohn Institute for the History and Philosophy of Science and Ideas, and the support of the Van Leer Jerusalem Institute.

### SUBSCRIPTIONS

Science in Context (ISSN 0269-8897) is published four times a year in March, June, September and December. Four parts form a volume. The subscription price which includes electronic access and delivery by air where appropriate (but excluding VAT) of volume 23 is  $\pm 175$  (US  $\pm 12$  in USA, Canada and Mexico) for institutions;  $\pm 49$  (US  $\pm 78$ ) for individuals ordering direct from the publishers and certifying that the journal is for their personal use. The electronic only price available to institutional subscribers is  $\pm 160$  (US  $\pm 281$  in USA, Canada and Mexico). Single parts are  $\pm 47$  net (US  $\pm 83$  in USA, Canada and Mexico) plus postage. 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, PO. Box 55, Chitose, Tokyo 156, Japan.

Orders, which must be accompanied by payment, may be sent to a bookseller, subscription agent or direct to the publisher: Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 8RU; or in the USA, Canada and Mexico: Cambridge University Press, Journals Fulfillment Department, 100 Brook Hill Drive, West Nyack, New York 10994-2133. Application to Mail at Periodicals Postage Rates is Pending at New York, NY.

### COPYING

This journal is registered with the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, USA. Organizations in the USA who are also registered with the C.C.C. may, therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. Copyright law) subject to payment to the C.C.C. of the per copy fee of \$12.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0269-8897/2010 \$12.00. ISI Tear Sheet Service, 3501 Market Street, Philadelphia, PA 19104, USA, is authorized to supply single copies of separate article for private use only. Organizations authorized by the Copyright Licensing Agency may also copy material subject to the usual conditions. For all other use, permission should be sought from Cambridge or from the American Branch of Cambridge University Press.

### INTERNET ACCESS

Science in Context is included in the Cambridge Journals Online service at http://journals.cambridge.org For information on the other Cambridge titles access http://www.cambridge.org

This journal issue has been printed on FSC-certified paper and cover board. FSC is an independent, non-governmental, not-for-profit organization established to promote the responsible management of the world's forests. Please see www.fsc.org for information.

### © Cambridge University Press 2010

# SCIENCE IN CONTEXT

## VOLUME 23 NUMBER 3 SEPTEMBER 2010

Sarah Carvallo: Ageing in the Seventeenth and Eighteenth Centuries	267
<i>Kelly J. Whitmer:</i> The Model that Never Moved: The Case of a Virtual Memory Theater and Its Christian Philosophical Argument, 1700–1732	289
<i>Antonio Clericuzio:</i> "Sooty Empiricks" and Natural Philosophers: The Status of Chemistry in the Seventeenth Century	329
<b>Peter Dear:</b> Divine Illumination, Mechanical Calculators, and the Roots of Modern Reason	351
Gregory Sullivan: Tricks of Transference: Oka Asajirō (1868–1944) on Laissez-faire Capitalism	367