

PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY A

Continuing its long history of influential scientific publishing, *Phil. Trans. R. Soc. A* publishes high quality theme issues on topics of current importance and general interest within the physical, mathematical and engineering sciences, guest-edited by leading authorities and comprising new research, reviews and opinions from prominent researchers. Each issue aims to create an original and authoritative synthesis, often bridging traditional disciplines, which showcases current developments and provides a foundation for future research, applications and policy decisions.

royalsocietypublishing.org/journal/rsta

EDITOR

John Dainton

COMMISSIONING EDITOR

Alice Power

PRODUCTION EDITOR

Amie Mustill

EDITORIAL BOARD

Sharon Ashbrook

Jas Pal Badyal

Chunli Bai

Steven Balbus

John Ball

Peter Burgess

Katharine Cashman

Jack Connor

Andrew Cooper

Athena Coustensis

Ineke De Moortel

Caterina Ducati

Christian Enss

Valentina Erastova

John Evans

Melissa Franklin

Pratibha Gai

Marie-Pierre Gaigeot

C. David Garner

Robin Garrell

Isabelle Gallagher

Nigel Glover

Richard Haley

Jan Hesthaven

Yasuhiro Iwasawa

Nick Jenkins

Manoj Joshi

Brian Kennett

Cristina Lazzeroni

Stephen Liddle

Simon Lilly

Anders Lindquist

Rebecca Lingwood

Mike Lovell

Richard Lueptow

Paolo Maria Mariano

Philip Moriarty

Anne Neville

Tim Palmer

Cécile Penland

Vincent Poor

Paul Raitby

Misao Sasaki

Gordon Semenov

Simone Severini

John Shepherd

Ajay Sood

Iain Stewart

Colin Wilson

Xuesong Wu

Hiroshi Yamaguchi

Julia Yeomans

Qiang Zhang

SUBSCRIPTIONS

In 2020 *Phil. Trans. R. Soc. A* (ISSN 1364-503X) will be published 26 times a year. For more details of subscriptions and single issue sales please contact our fulfilment agent:

Turpin Distribution
The Royal Society Customer Services
Pegasus Drive
Stratton Business Park
Biggleswade
SG18 8TQ

T +44 17 6760 4951

F +44 17 6760 1640

E royalsociety@turpin-distribution.com

Alternatively, please contact our customer service team at :

E sales@royalsociety.org

PRICES FOR 2020

	Online only	Online and print
£ UK/Rest of World	£2,663	£3,728
€ Europe	€3,465	€4,851
\$ US/Canada	\$5,052	\$7,072

SUBMISSIONS

For submission guidelines and access to journal content visit:

royalsocietypublishing.org/journal/rsta

Philosophical Transactions of the Royal Society A: Mathematical, Physical and Engineering Sciences

ISSN 1364-503X

© The Royal Society, 2020

Except as otherwise permitted under the Copyright, Designs and Patents Act, 1988, this publication may only be reproduced, stored or transmitted, in any form or by any other means, with the prior permission in writing of the publisher, or in the case of reprographic reproduction, in accordance with the terms of a licence issued by the Copyright Licensing Agency. In particular, the Society permits the making of a single photocopy of an article from this issue (under Sections 29 and 38 of this Act) for an individual for the purposes of research or private study. Open access articles, which are published under a CC-BY licence, may be re-used without permission, but subject to acknowledgement.