

MRS SYMPOSIUM WW

Volume 1808 • 2015 MRS Spring Meeting

Ultrafast Dynamics in Complex Functional Materials

EDITORS

Rohit Prasankumar

Jeffrey Davis

Michael Johnston

MRS Online Proceedings Library

Editorial Board

Editorial Board Chair:

Michelle L. Oyen, *Cambridge University, United Kingdom*

Editorial Board Members:

David Bahr, *Purdue University, USA*

Asa Barber, *Queen Mary University of London, United Kingdom*

Frank del Rio, *National Institute of Standards and Technology, USA*

Marilyn L. Minus, *Northeastern University, USA*

Roger Narayan, *North Carolina State University, USA*

The *MRS Online Proceedings Library* (ISSN: 1946-4274) features over 100,000 peer-reviewed papers presented at MRS Meetings. The proceedings papers can be viewed by meeting or topic, and are fully searchable.

Manuscripts: Information on article submission may be found at the *MRS Online Proceedings Library* homepage at <http://journals.cambridge.org/opl>.

Subscriptions: Institutions and libraries which are not current customers may purchase a 12-month unlimited access package to all MRS proceedings volumes/papers that are available online. To find out how to purchase OPL please contact: online@cambridge.org, in the Americas, or library.sales@cambridge.org, in the rest of the world.

Copyright © 2015, Materials Research Society. All rights reserved. No part of this publication may be reproduced, in any form or by any means, electronic, photocopying, or otherwise, without permission in writing from Cambridge University Press. Policies, request forms and contacts are available at: <http://www.cambridge.org/rights/permissions/permission.htm>. Permission to copy (for users in the USA) is available from Copyright Clearance Center <http://www.copyright.com>, email: info@copyright.com.

**MATERIALS RESEARCH SOCIETY
SYMPOSIUM WW VOLUME 1808**

Ultrafast Dynamics in Complex Functional Materials

Symposium held April 6-10, 2015, San Francisco, California, U.S.A.

EDITORS

Rohit Prasankumar

Los Alamos National Laboratory
Los Alamos, New Mexico, USA

Jeffrey Davis

Swinburne University of Technology
Hawthorn, Australia

Michael Johnston

University of Oxford
Oxford, United Kingdom



Materials Research Society
Warrendale, Pennsylvania



ISSN: 1946-4274

CONTENTS

- * **Laser Terahertz Emission Spectroscopy of Graphene/InAs Junctions . . . 1**
Filchito Renee Bagsican, Jofferson Gonzales, Xiang Zhang,
Lulu Ma, Iwao Kawayama, Hironaru Murakami,
Robert Vajtai, Pulickel Ajayan, Junichiro Kono,
and Masayoshi Tonouchi

*Invited Paper