

14th Anglo-French Physical Acoustics Conference (AFPAC 2015)

Journal of Physics: Conference Series Volume 684

Frejus, France
14 – 16 January 2015

Editors:

**Alain Lhemery
Pierre Gelat**

**Rachel Edwards
Nader Saffari**

ISBN: 978-1-5108-2094-4
ISSN: 1742-6588

Printed from e-media with permission by:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571



Some format issues inherent in the e-media version may also appear in this print version.

Copyright© (2015) by the Institute of Physics
All rights reserved. The material featured in this book is subject to
IOP copyright protection, unless otherwise indicated.

Printed by Curran Associates, Inc. (2016)

For permission requests, please contact the Institute of Physics
at the address below.

Institute of Physics
Dirac House, Temple Back
Bristol BS1 6BE UK

Phone: 44 1 17 929 7481
Fax: 44 1 17 920 0979

techtracking@iop.org

Additional copies of this publication are available from:

Curran Associates, Inc.
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: 845-758-0400
Fax: 845-758-2634
Email: curran@proceedings.com
Web: www.proceedings.com

Table of contents

Volume 684

14th Anglo-French Physical Acoustics Conference (AFPAC2015)
14–16 January 2015, Fréjus, France

Accepted papers received: 21 December 2015

Published online: 5 February 2016

Preface

011001

[14th Anglo-French Physical Acoustics Conference \(AFPAC2015\)](#) OPEN ACCESS Alain Lhémery, Pierre Gélât, Rachel Edwards and Nader Saffari

011002

[Peer review statement](#) OPEN ACCESS

Papers

012001

[Crystallographic Orientation Determination of Hexagonal Structure Crystals by Laser Ultrasonic Technique](#) OPEN ACCESS W Li, J Coulson, P Marrow, R J Smith, S J Lainé, M Clark and S D Sharples pg. 1

012002

[Elastodynamic models for extending GTD to penumbra and finite size flaws](#) OPEN ACCESS A Kamta Djakou, M Darmon and C Potel pg. 7

012003

[Thin-film transducers for the detection and imaging of Brillouin oscillations in transmission on cultured cells](#) OPEN ACCESS F Pérez-Cota, R J Smith, E Moradi, K Webb and M Clark pg. 18

012004

[An efficient model to predict guided wave radiation by finite-sized sources in multilayered anisotropic plates with account of caustics](#) OPEN ACCESS M Stévenin, A Lhémery and S Grondel pg. 29

012005

[The dynamic excitation of a granular chain for biomedical ultrasound applications: contact mechanics finite element analysis and validation](#) OPEN ACCESS P Gélat, J. Yang, P J Thomas, D A Hutchins, O Akanji, L A J Davis, S Freear, S Harput and N Saffari pg. 41

012006

[Use of shear waves for diagnosis and ablation monitoring of prostate cancer: a feasibility study](#) OPEN ACCESS A Gomez, G Rus and N Saffari pg. 52