## Institute of Physics Publishing

# Anti-Counterfeit Image Analysis Methods (A Special Session of ICSXII) 2007

Journal of Physics: Conference Series Vol. 77

September 5-6, 2007 Saint Etienne, France

Printed from e-media with permission by:

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

ISBN: 978-1-60560-266-0

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

Copyright (2007) by the Institute of Physics Publishing. All rights reserved. For permission requests, please contact the Institute of Physics Publishing at the address below. Institute of Physics Publishing Dirac House, Temple Back Bristol BS1 6BE UK **Tel** +44 (0)117 929 7481 Fax +44 (0)117 929 4318

### Institute of Physics Publishing

# Anti-Counterfeit Image Analysis Methods (A Special Session of ICSXII) 2007

# **TABLE OF CONTENTS**

Moiré Methods for the Protection of Documents and Products: a Short Survey  I Amidror, S Chosson, R D Hersch	1
Laser Deep Marking of Metals and Polymers: Potential Interest for Information	11
B Dusser, Z Sagan, D Bruneel, M Jourlin, E Audouard	
A Multiresolution Independent Component Analysis for Textile Images  D Coltuc, T Fournel, J M Becker, M Jourlin	17
Some Security Strategies for Smart Cards	28
Towards Distortion-free Robust Image Authentication	35
About Machine-readable Travel Documents S Vaudenay, M Vuagnoux	42
Self-encryption for Paper Document Authentication	51
Encryption and Validation of Multiple Signals for Optical Identification Systems E Pérez-Cabré, M S Millán, B Javidi	58
Optical Identification System of Three-dimensional Random Phase Object by Use of Speckle Patterns in Propagation Distances	65
Author Indox	