

# INTERNATIONAL JOURNAL OF CREATIVE INTERFACES AND COMPUTER GRAPHICS

July-December 2012 Vol. 3, No. 2

## Table of Contents

### RESEARCH ARTICLES

- 1 **Selected Ideas and Methods in Knowledge Visualization**  
*Anna Ursyn, School of Art and Design, University of Northern Colorado, Greeley, CO, USA*  
*Ebad Banissi, Department of Computer Graphics & Visualization, South Bank University, London, UK*
- 8 **Visualizing Sixteen Years of Data About Portuguese Leisure-Cultural Activities**  
*Clarissa Rodrigues, Information Systems Department, engageLab, University of Minho, Guimarães, Portugal*  
*Elizabeth Carvalho, Business and Information Technology Research Center (BITREC), University Atlântica, Barcarena, Portugal*
- 23 **Modeling of Flowers with Inverse Grammar Generation Interface**  
*Olga Petrenko, University of Girona, Girona, Spain & University of Limoges, Limoges, France*  
*Mateu Sbert, University of Girona, Girona, Spain*  
*Olivier Terraz, University of Limoges, Limoges, France*  
*Djamchid Ghazanfarpour, University of Limoges, Limoges, France*
- 42 **Integrating Interactive Visualizations of Automatic Debugging Techniques on an Integrated Development Environment**  
*André Ribeiro, Department of Informatics Engineering, University of Porto, Porto, Portugal & HASLab / INESC TEC, Portugal*  
*Rui Rodrigues, Department of Informatics Engineering, University of Porto, Porto, Portugal & INESC TEC, Porto, Portugal*  
*Rui Abreu, Department of Informatics Engineering, University of Porto, Porto, Portugal & HASLab / INESC TEC, Portugal*  
*José Campos, Department of Informatics Engineering, University of Porto, Porto, Portugal*

### Copyright

The *International Journal of Creative Interfaces and Computer Graphics (IJCICG)* (ISSN 1947-3117; eISSN 1947-3125), Copyright © 2013 IGI Global. All rights, including translation into other languages reserved by the publisher. No part of this journal may be reproduced or used in any form or by any means without written permission from the publisher, except for noncommercial, educational use including classroom teaching purposes. Product or company names used in this journal are for identification purposes only. Inclusion of the names of the products or companies does not indicate a claim of ownership by IGI Global of the trademark or registered trademark. The views expressed in this journal are those of the authors but not necessarily of IGI Global

The *International Journal of Creative Interfaces and Computer Graphics* is currently listed or indexed in: ACM Digital Library; Bacon's Media Directory; DBLP; Google Scholar; INSPEC; JournalTOCs; Library & Information Science Abstracts (LISA); MediaFinder; The Standard Periodical Directory; Ulrich's Periodicals Directory