



# **CONTENT 2011**

The Third International Conference on Creative Content Technologies

September 25-30, 2011

Rome, Italy

## **CONTENT 2011 Editors**

Hans-Werner Sehring, T-Systems Multimedia Solutions GmbH, Germany

Wolfgang Fohl, Hamburg University of Applied Sciences, Germany

**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© (2011) by International Academy, Research, and Industry Association (IARIA)  
Please refer to the Copyright Information page.

Printed by Curran Associates, Inc. (2012)

International Academy, Research, and Industry Association (IARIA)  
412 Derby Way  
Wilmington, DE 19810

Phone: (408) 893-6407  
Fax: (408) 527-6351

[petre@iaria.org](mailto:petre@iaria.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](mailto:curran@proceedings.com)  
Web: [www.proceedings.com](http://www.proceedings.com)

# TABLE OF CONTENTS

## CONTENT 1: BASICS

<b>Webcasting From Challenging Locations</b> .....	1
<i>R. Marsch, T. Young</i>	
<b>Location-Based Mobile Collaborative Digital Narrative Platform</b> .....	7
<i>S. Lin, T. Tsai, S. Chen, S. Lee</i>	
<b>Content Management in the Context of Collaboration</b> .....	13
<i>M. Podean, S. Nitchi, D. Benta</i>	
<b>Content Modeling Based on Concepts in Contexts</b> .....	18
<i>H. Sehring</i>	

## CONTENT 2: GRAPHICS, SPEECH, MEDIMA

<b>Magic Wako - User Interaction in a Projector-based Augmented Reality Game</b> .....	24
<i>D. Franzen, I. Avellino, F. Mauri, M. Jentsch, A. Zimmermann</i>	
<b>Real-Time Deformable Soft-Body Simulation using Distributed Mass-Spring Approximations</b> .....	29
<i>B. Kenwright, R. Davison, G. Morgan</i>	
<b>Classification of Pathologic and Innocent Heart Murmur Based on Multimedia Presentations of Acoustic Heart Signals</b> .....	34
<i>B. Tomas, Z. Roncevic, D. Zelenika, A. Krtalic</i>	
<b>Speaker Labeling Using Closed-Captioning</b> .....	38
<i>K. Yamamuro, K. Itou</i>	

## CONTENT 3: WEBCONTENT, VIDEO, AUDIO

<b>Effect of Contrast on the Quality of 3D Visual Perception</b> .....	43
<i>M. Pourazad, Z. Mai, P. Nasiopoulos</i>	
<b>SPS: A Web Content Search System Utilizing Semantic Processing</b> .....	48
<i>J. Leone, D. Shin</i>	
<b>A Framework for Creativity in Search Results</b> .....	54
<i>J. Sawle, F. Raczinski, H. Yang</i>	
<b>Realtime Computation of a VST Audio Effect Plugin on the Graphics Processor</b> .....	58
<i>W. Fohl, J. Dessecker</i>	
<b>A Collaborative Content Publisher</b> .....	63
<i>W. Wang, H. Wang</i>	

## CONTENT 4: DATA, SOCIAL

<b>Using Frame-based Lexical Chains for Extracting Key Points from Texts</b> .....	68
<i>S. Mohamadi, A. Moeini, K. Badie</i>	
<b>PPETP: A Peer-to-Peer Overlay Multicast Protocol for Multimedia Streaming</b> .....	74
<i>R. Bernardini, R. Fabbro, R. Rinaldo</i>	
<b>A Quality Evaluation Framework Based on Distribution Measurement in Service Computing Environment</b> .....	80
<i>Z. Liu</i>	
<b>Scientific Gateway: Grid and Cloud-based Visualization</b> .....	86
<i>E. Pajorova, L. Hluchy</i>	
<b>Author Index</b>	