

2013 IEEE Western New York Image Processing Workshop

(WNYIPW 2013)

**Rochester, New York, USA
22 November 2013**



IEEE Catalog Number: CFP1327M-POD
ISBN: 978-1-4799-3027-2

Table of Contents

Welcome Message	iii
Using Attributes to Describe People (Tutorial)	iv
<i>Andrew Gallagher</i>	
Approaches to Uncertainty in Pattern Matching: Issues in Forensic Bitemark Comparisons (Keynote)	v
<i>H. David Sheets</i>	
Imaging Less than Meets the Eye (Keynote).....	vi
<i>Kyros Kutulakos</i>	
Image Analysis Pipeline for Characterizing Photolytic Degradation in Daguerrotypes	1
<i>Yuchuan Zhuang, Shuo Chen, Yuan Feng, Ralph Weigandt, Robert Buckley, Gaurav Sharma</i>	
Differentiation Between Malignant and Normal Human Thyroid Tissue Using Frequency Analysis of Multispectral Images	5
<i>Saugata Sinha, Navalgund Rao, Bargava Chinni, Jacob Moalem, Ellen J. Giampoli, Vikram Dogra</i>	
Automatic Fundus Image Field Detection and Quality Assessment	9
<i>Gajendra Jung Katuwal, John Kerekes, Rajeev Ramchandran, Christye Sisson, Navalgund Rao</i>	
AccessMath: Indexing and Retrieving Video Segments Containing Math Expressions Based on Visual Similarity	14
<i>Kenny Davila, Anurag Agarwal, Roger Gaborski, Richard Zanibbi, Stephanie Ludi</i>	
Removing Glint with Video Processing to Enhance Underwater Target Detection.....	18
<i>Victoria Scholl, Aaron Gerace</i>	
LBP-Inspired Detection of Color Patterns: Multiplied Local Score Patterns.....	22
<i>Vladimir Pribula, Roxanne L. Canosa</i>	
A Note on the Challenge of Feature Selection for Image Understanding	26
<i>Thomas B. Kinsman, Jeff Pelz</i>	
Position Encoding and Localization with Environmental Patterns.....	31
<i>Reneta Barneva, Kamen Kanev, Shota Mochiduki</i>	
Image Sequence Event Detection via Recurrence Analysis	35
<i>Tommy P. Keane, Nathan D. Cahill, Jeff B. Pelz</i>	
Mobile Device to Cloud Co-Processing of ASL Fingerspelling to Text Conversion.....	39
<i>Philip Hays, Raymond Ptucha, Roy Melton</i>	