

2022 IEEE Western New York Image and Signal Processing Workshop (WNYISPW 2022)

**Rochester, New York, USA
4 November 2022**



**IEEE Catalog Number: CFP2227M-POD
ISBN: 979-8-3503-9979-0**

**Copyright © 2022 by the Institute of Electrical and Electronics Engineers, Inc.
All Rights Reserved**

Copyright and Reprint Permissions: Abstracting is permitted with credit to the source. Libraries are permitted to photocopy beyond the limit of U.S. copyright law for private use of patrons those articles in this volume that carry a code at the bottom of the first page, provided the per-copy fee indicated in the code is paid through Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923.

For other copying, reprint or republication permission, write to IEEE Copyrights Manager, IEEE Service Center, 445 Hoes Lane, Piscataway, NJ 08854. All rights reserved.

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP2227M-POD
ISBN (Print-On-Demand):	979-8-3503-9979-0
ISBN (Online):	979-8-3503-9978-3
ISSN:	2164-7003

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) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

CURRAN ASSOCIATES INC.
proceedings
.com

TABLE OF CONTENTS

Selecting Optimal Substrate Mounts in Terahertz Time Domain Spectroscopic Imaging of Murine Radiation-Treated Pancreatic Ductal Adenocarcinoma.....	1
<i>Debamitra Chakraborty, Bradley N. Mills, Jing Cheng, Ivan Komissarov, Scott A. Gerber, Roman Sobolewski</i>	
Identifying Periodic Signal Patterns in Audio Streams	5
<i>Henry Zelenak, Shahin Mehdipour Ataee</i>	
Modeling Bessel Acoustic Radiation Force Impulse Imaging with the k-Wave MATLAB Toolbox	9
<i>Siladitya Khan, Fan Feng, Soumya Goswami, Stephen A. McAleavey</i>	
Iris Recognition Using Curvelet Transform and Accuracy Maximization by Particle Swarm Optimization.....	13
<i>Afsana Ahamed, Syed Irfan Ali Meerza</i>	
Effect of Inter-User Segmentation Differences on Ischemic Stroke Radiomics from CTA and NCCT	18
<i>Tatsat Patel, Munjal Shah, Sricharan S Veeturi, Andre Monteiro, Adnan H. Siddiqui, Vincent M. Tutino</i>	
3D Mapping of Vessel Wall Enhancement Could Assist in Robust Risk Stratification of Intracranial Aneurysms	23
<i>Sricharan S. Veeturi, Nandor Pinter, Ammad Baig, Andre Monteiro, Hamid H Rai, Tatsat Patel, Munjal Shah, Adnan H. Siddiqui, Vincent M. Tutino</i>	
Tracking Evolving Geometric Data by Local Graph Laplacian Operators.....	28
<i>Hsun-Hsien Shane Chang</i>	
Are ML Image Classifiers Robust to Medical Image Quality Degradation?.....	33
<i>Sergei Chuprov, Akshaya Nandkishor Satam, Leon Reznik</i>	
On Deep Learning for Dorsal Hand Vein Recognition	37
<i>Sougato Bagchi, Geetartha Chanda, Akshay Agarwal, Nalini Ratha</i>	
Opportunistic Temporal Spectrum Coexistence of Passive Radiometry and Active Wireless Networks	41
<i>Mohammad Koosha, Nicholas Mastronarde</i>	

Author Index