

36th International Conference on Computer Applications in Industry and Engineering (CAINE 2023)

EPiC Series in Computing Volume 97

Online
16-18 October 2023

ISBN: 978-1-7138-9239-7

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© (2023) by the International Society for Computers and Their Applications
All rights reserved. Reproduction in any form without the written consent of ISCA is prohibited.

Printed with permission by Curran Associates, Inc. (2024)

For permission requests, please contact the International Society for Computers and Their Applications
at the address below.

International Society for Computers and Their Applications
64 White Oak Court
Winona, MN 55987
USA

Phone: (507) 458-4517

isca@ipass.net

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
Email: curran@proceedings.com
Web: www.proceedings.com

TABLE OF CONTENTS

Classification of Cell-Types in Myocardial Tissue by Quantification of Physiological Characteristics	1
<i>Shotaro Kaneko, Yuichiro Arima, Masahiro Migita, Masashi Toda</i>	
Assessing the Implementation Challenges of Cybersecurity Solutions : An Empirical Analysis.....	9
<i>Vinh Quang Le, Huu Duc Tran, Narayan Debnath</i>	
A Process Improvement Model for Software Organizations During COVID-19 Pandemic	20
<i>Hasnain Haneef, Assad Abbas, Samee U. Khan</i>	
KWDOA: Adapted Dataset for Detection of the Direction of Arrival of the Keyword.....	30
<i>David Beneš, Luboš Šmidl</i>	
EX-LAD: Explainable Learning Analytics Dashboard in Higher Education	38
<i>Tesnim Khelifi, Nourhène Ben Rabah, Bénédicte Le Grand, Ibtissem Daoudi</i>	
A Workflow Model Based on Three Pillars: Processes, Technology and People Within an Organization	52
<i>Narayan Debnath, Mario Gabriel Peralta, Carlos Humberto Salgado, Lorena Baigorria, Daniel Riesco, Germán Montejano</i>	
Accelerating the Execution of the Partition Problem on PYNQ FPGA Platform.....	62
<i>Pratik Shrestha, Chirag Parikh, Christian Trefftz</i>	
Peer-To-Peer Data Transfer Evaluation in SmartSSD-Based Multi-Devices System.....	72
<i>Luka Daoud, Gongjin Sun, Hingkwon Huen</i>	
An Evaluation of Strategies for Dimensionality Reduction	81
<i>Gautam Singh</i>	
Establishing Trust Using Zero Knowledge Succinct Proof in Peer-To-Peer Data Transfer.....	91
<i>Sai Kiran Deversetti, Anjila Neupane, Indranil Roy, Reshmi Mitra, Bidyut Gupta</i>	
Tensor Decompositions in Cancer Study; A Comprehensive Review	101
<i>Elia Movahed, Farnoosh Koleini, Nasseh Tabrizi</i>	

Author Index