Editors

Oludare Owolabi
Dalibor Biolek
Agoujil Said
Vasilis Christofilakis

Associate Editor

Caio Fernando Fontana

Recent Researches in Telecommunications, Informatics, Electronics & Signal Processing

- Proceedings of the 12th International Conference on Telecommunications and Informatics (TELE-INFO '13)
- Proceedings of the 12th International Conference on Signal Processing (SIP '13)
- Proceedings of the 12th International Conference on Microelectronics, Nanoelectronics, Optoelectronics (MINO '13)

Baltimore, MD, USA, September 17-19, 2013

Scientific Sponsors

Recent Researches in Telecommunications, Informatics, Electronics & Signal Processing

RECENT RESEARCHES in TELECOMMUNICATIONS, INFORMATICS, ELECTRONICS and SIGNAL PROCESSING

Proceedings of the 12th International Conference on Telecommunications and Informatics (TELE-INFO '13)
Proceedings of the 12th International Conference on Signal Processing (SIP '13)
Proceedings of the 12th International Conference on Microelectronics, Nanoelectronics, Optoelectronics (MINO '13)

Baltimore, MD, USA
September 17-19, 2013

Scientific Sponsors:

Morgan State University in Baltimore, USA

Research Center for Teacher Career Professional Development National Kaohsiung Normal University, Taiwan

The Faculty of Economics and Business University of Zagreb, Croatia

Music Academy "Studio Musica", Italy

College of Computer Science & Department of Biomedical Informatics Asia University, Taiwan

ISSN: 1790-5117
ISBN: 978-960-474-330-8

RECENT RESEARCHES in TELECOMMUNICATIONS, INFORMATICS, ELECTRONICS and SIGNAL PROCESSING

Proceedings of the 12th International Conference on Telecommunications and Informatics (TELE-INFO '13)
Proceedings of the 12th International Conference on Signal Processing (SIP '13)
Proceedings of the 12th International Conference on Microelectronics, Nanoelectronics, Optoelectronics (MINO '13)

Baltimore, MD, USA
September 17-19, 2013

Published by WSEAS Press
www.wseas.org

Copyright © 2013, by WSEAS Press

All the copyright of the present book belongs to the World Scientific and Engineering Academy and Society Press. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the Editor of World Scientific and Engineering Academy and Society Press.

All papers of the present volume were peer reviewed by no less that two independent reviewers. Acceptance was granted when both reviewers' recommendations were positive.
See also: http://www.worldses.org/review/index.html

ISSN: 1790-5117
ISBN: 978-960-474-330-8

RECENT RESEARCHES in TELECOMMUNICATIONS, INFORMATICS, ELECTRONICS and SIGNAL PROCESSING

Proceedings of the 12th International Conference on Telecommunications and Informatics (TELE-INFO '13)
Proceedings of the 12th International Conference on Signal Processing (SIP '13)
Proceedings of the 12th International Conference on Microelectronics, Nanoelectronics, Optoelectronics (MINO '13)

Baltimore, MD, USA
September 17-19, 2013

Editors:
Prof. Oludare Owolabi, Morgan State University, USA.
Prof. Dalibor Biolek, University of Defence Brno, Czech Republic.
Prof. Agoujil Said, University of Moulay Ismail, Morocco.
Dr. Vasilis Christofilakis, Siemens Enterprise Communications, Greece.

Associate Editor:
Prof. Caio Fernando Fontana, University of Sao Paulo, Brazil.

Reviewers:
Valentina E. Balas
Carlos Manuel Travieso-Gonzalez
Jose Ignacio Hernandez Lopez
Ashish Umre
Arjuna Marzuki
Joao Carmo
Manendra Pal Singh Chawla
Gabriel Badescu
Lubnen Moussi
Sudhir Dawra
Eleonora Catsigeras
Dhananjay Singh
Karthikeyan Jayaraman
Chunwei Lu Wini Lu
Arash Habibi Lashkari
K.E.Ch. Vidyasagar
Sanjeev Pippal
Sorinel Oprisan
Zahéra Mekkioui
Baburao Kodavati
Emre Kiyak
Murugan Paramasivam
Varun Menon
Vehbi Neziri
Mutamed Khatib
Ali Hennache
Petr Bouchner
Vipul Arvindbhai Shah
Christian von Lucken
Bahaa Kazem
Kevin Kam Fung Yuen
Elena Mereuta
Mohamed Hussein
Codrin-Florentin Nisioiu
Babak Babak Bashari Rad
Nagaraj S.V.
Liang Zhou
Rocco Furferi
Hsia Chih-Hsien
Kieran Greer
Mohd Faizal Bin Abdollah
Eugenia Iancu
Michael H. Schwarz
Satish Kumar Duraiswamy
Zakaria Zubi
Vijay Kumar G
Boja Catalin
Daniela Litan
Giovanni Aiello
Issam Moghrabi Moghrabi
Dan Florentin Lascu
Christos Volos
Ionel Botef
Aamir Saeed Malik
Vishnu Pratap Singh Kirar
Mario Cesar do Espirito Santo Ramos
Hime Aguiar
Brunonas Dekeris
Claude Bayeh
Nayan Kumar
Mahboobeh Mahmoodi
Alejandro Fuentes-Penna
Ivan Pogarcic
Mrityunjay Kumar Ray
Brankica Popovic
Andreea Zamfir
Saw Chin Tan
Humaira Nisar
Angel F Tenorio
Alper Ozpinar
Santoso Wibowo
Ala Hamarsheh
Alireza Moghaddam Nia
Umar Sidik
Valery Vodovozov
Amjad Daoud
Carlos Pampulim Caldeira
Jacek Kolodziej
Nitish Gupta
Eleazar Jimenez Serrano
Akash Punhani
Tsvetanka Georgieva-Trifonova
Hsin-Jang Shieh
Kandarpa Kumar Sarma
Mohammad Al-Amri
Ragab Abdulaziz El Sehiemy
Hamidreza Hoshyarmanesh
Kamran Mohajeri
Ehsan Kamrani
Marwan Alseid
Serena Pastore
Alina Badulescu
Sergey Stankevich
A. Arul Lawrence Selvakumar
Roumiana Kountcheva
Jui-Jen Chen

Jenica Ileana Corcau
Kanwarjit Singh Sandhu
Vignesh Subbian
Arianit Maraj
Yee Jiun Yap
Azlinah Mohamed
Mirela-Catrinel Voicu
Anca Croitoru
Athina Lazakidou
Haitham Jabbar Taha Haitham
Bagavathi Nagarajan
Josip Music
Hari Moha Pandey
Jianqinag Gao
Hung-Jen Yang
Andrzej Zak
Ashish Seth
Mohammad Alanazi
Diariy R. Sulaiman
Pervez Ahmed
Tiberiu Socaciu
Rawid Banchuin
Claudia-Georgeta Carstea
Dinko Vukadinovic
Ioan Enescu
Nikos Loukeris
Maha George Zia
Zengshi Chen
Mohamed Zahran
Cristian Fosalau
Lungu Mihai Aureliu
Mokhtari Fouad
Ahmed N. Abdalla
Hakan Tozan
Jan Ochodnicky
Panagiotis Gioannis
Amirhossein Fereidountabar
Yuqing Zhou
Agoujil Said
Yulung Wu
Massimiliano Todisco
Dimitrios Ventzas
Bharat Bhushan Agarwal

Preface

This year the 12th International Conference on Telecommunications and Informatics (TELE-INFO '13), the 12th International Conference on Signal Processing (SIP '13) and the 12th International Conference on Microelectronics, Nanoelectronics, Optoelectronics (MINO '13) were held in Baltimore, MD, USA, September 17-19, 2013. The conferences provided a platform to discuss telecommunications, informatics, nonlinear signals and systems, signal reconstruction, computed imaging, nanoelectronics, quantum electronics, optoelectronics etc with participants from all over the world, both from academia and from industry.

Their success is reflected in the papers received, with participants coming from several countries, allowing a real multinational multicultural exchange of experiences and ideas.

The accepted papers of these conferences are published in this Book that will be sent to international indexes. They will be also available in the E-Library of the WSEAS. Extended versions of the best papers will be promoted to many Journals for further evaluation.

Conferences such as these can only succeed as a team effort, so the Editors want to thank the International Scientific Committee and the Reviewers for their excellent work in reviewing the papers as well as their invaluable input and advice.

The Editors

Table of Contents

Plenary Lecture 1: Telecommunications in Cooperative Intelligent Transport Systems 14
Tomas Zelinka

Plenary Lecture 2: Image Processing Algorithm for Shape Recognition by Invariant Features 15
Milan Tuba

Data Security in ITS Telecommunications Solutions 17
Tomas Zelinka, Michal Jerabek, Zdenek Lokaj

Detection of Historical Period in Symbolic Music Data: Revisited Version 24
Michele Della Ventura

Adaptive Mobile Gateway Management in Integrated VANET – 3G Wireless Networks 31
V. Revathi, K. Hari Sudha

Diameter Cycle of Arbitrary General Graphs 45
Hadeel Ali Al Fares, Mehmet Hakan Karaata

Comparative Analysis of Multi-Layer Perceptron and Radial Basis Function for Contents Based Image Retrieval 51
Monis Ahmed Thakur, Syed Sajjad Hussain,Kamran Raza, Manzoor Hashmani

Adapting the Ant Colony Optimization Algorithm to the Printed Circuit Board Drilling Problem 58
Taisir Eldos, Aws Kanan, Abdullah Aljumah

Evaluating an On-Line Learning Activity 64
Lung-Hsing Kuo, Raie-Kuan Chang, Shang-Ming Su, Wei Tung

Addressing Big Data Problems Using Semantics and Natural Language Understanding 70
Emdad Khan

Estimation of Algebraic Cryptanalysis Attack Complexity of PRINCE Cipher and PRINCEcore 77
Lucia Lacko-Bartosova

Feature-Based Approach to Bridge the Information Technology and Business Gap 87
Fayez Alazemi, Mohammed Alawairdhi

Performance Evaluation of Scheduling Algorithms in QoS Classes for Voice Traffic 93
Kamran Raza

Cyber Attacks and Cyber Warfares 100
Petr Hruza, Alexander Chlan, Radovan Sousek

ISBN: 978-960-474-330-8

Risk Management Process in the Field of Cybernetic Security – Mistakes and Solution Approach 108
Jaromir Pitas, Radovan Sousek

Exhibiting Learning Situation of Students during Stepwise Refinement of Source Codes 113
Wataru Nishimoto, Fumiko Harada, Hiromitsu Shimakawa

Judgment of Learner Ability from Exercise Sentence Sorting and Corresponding Coding 120
Yoko Itado, Yusuke Kajiwara, Fumiko Harada, Hiromitsu Shimakawa

Judging Working Rhythm from Body Movement to Prevent Human Errors 127
Yohei Tontani, Yusuke Kajiwara, Fumiko Harada, Hiromitsu Shimakawa

Detecting Decreased Attention as Symptom of Human Errors by EEG 133
Shuji Inada, Yusuke Kajiwara, Fumiko Harada, Hiromitsu Shimakawa

Firefly Algorithm for Constrained Optimization Problems 139
Romana Capor-Hrosik, Adis Alihodzic, Milan Tuba, Mirjana Vukovic, Milenko Pikula

Simulated Annealing with Cyclic Correlation for Symbol Rate Detection 145
Richard Carr, James E. Whitney II

Linearity and Efficiency Improvement Using Harmonic Suppression Power Combiner in GaN S-band Power Amplifier Design 152
Caroline Waiyaki, Michel A. Reece, Edward Viverios

ITS Applied to Monitor Collection and Disposal of Seaport Solid Waste 160
Sergio Luiz Pereira, Carla M. Maccagnan Fontana, Caio F. Fontana, Cledson Akio Sakurai

RFID for Real Time Passenger Monitoring 170
Mauricio Lima Fereira, Claudio Luiz Marte, Jorge E. Leal De Medeiros, Cledson Akio Sakurai, Caio Fernando Fontana

An Implementation of Web-Based Decision Support System and Satisfaction Survey for Teachers' In-Service Education 176
Hung-Jen Yang, Jui-Chen Yu, Lung-Hsing Kuo, Hsueh-Chih Lin

Power Line Communication Applied on Intelligent Transportation Systems 182
Cledson Akio Sakruai, Claudio Luiz Marte, Leopoldo Rideki Yoshioka, Caio Fernando Fontana

Intelligent Transportation Systems with Autonomous Guidance – An Application to the Improvement of Efficiency for Median Capacity Urban Transportation Systems 191
Leopoldo R. Yoshioka, Claudio L. Marte, Caio F. Fontana, Jose R. Cardoso

Technological Framework for Offshore Terminals 199
Caio Fernando Fontana, Fabio Papa, Cledson Akio Sakurai

ISBN: 978-960-474-330-8

Optical Character Recognition Technology Applied for Truck and Goods Inspection 207
Cledson Akio Sakruai, Claudio Luiz Marte, Leopoldo Rideki Yoshioka, Caio Fernando Fontana

Telematic Device Development Based on Framework for Embedded Systems 215
Leopoldo R. Yoshioka, Claudo L. Marte, Caio F. Fontana, Marcio C. Oliveira, Edgar T. Yano

Integration of Wireless Sensor Network to Intelligent Transportation System for Environmental Monitoring 224
Alessandro Santos, Claudio Marte, Leopoldo Yoshioka, Jorge Cintra, Caio Fontana

Performance Indicators as a Measure of Quality in Highways 232
Claudio L. Marte, Leopoldo R. Yoshioka, Caio F. Fontana

Intelligent Transportation System for Bus Rapid Transit Corridors (ITS4BRT) 242
Claudio L. Marte, Leopoldo R. Yoshioka, Jorge E. Leal Medeiros, Cledson A. Sakurai, Caio F. Fontana

Creating a Campus Netflow Model 250
Hung-Jen Yang, Miao-Kuei Ho, Lung-Hsing Kuo, Hsieh-Hua Yang

Development of a Hybrid-Framework for Complex System Analysis 256
Nii Laye, Onyeka Nwaogu, Leeroy Bronner

Recommendation for Garments Sales Promotion with Comparison of Multiple Features over Garment Types 270
Takuya Yoshida, Fumiko Harada, Hiromitsu Shimakawa

Low Power Analog Correlator for Spread Spectrum Time Domain Reflectometry 277
Chirag Sharma

Controller of Autonomous Airship's Propellers 281
Martin Pospisilik, Pavel Marcanik, Pavel Varacha, Milan Adamek, Petr Neumann

Set of Equations for Software Low Pass Filter Analysis or Synthesis 287
Varacha Pavel, Pospisilik Martin, Adamek Milan

Impact of the Threshold Voltage and Transconductance Parameters of NMOS Transistors in NMOS Inverter Performance for Static Conditions of Operation 292
Milaim Zabeli, Nebi Caka, Myzafere Limani, Qamil Kabashi

Wavefront Topology System and Finite Element Method for Numerical Analysis of Scalar Wave Equation 298
Clayton G. Thomas, Gregory M. Wilkins, Kofi Nyarko, Yacob Astatke

Haptic Nanomanipulation within Semi-Immersive Environment 304
Kofi Nyarko, Craig Scott, Jumoke Ladeji-Osias

ISBN: 978-960-474-330-8

FPGA Based FIR Filter Using Parallel Pipelined Structure 311
Rajesh Mehra, S. B. L. Sachan

Similarity and Musical Structures Retrieval in Contemporary Music 316
Michele Della Ventura

Inter Comparison of Classification Techniques for Vowel Speech Imagery Using EEG Sensors 320
Anaum Riaz, Sana Akhtar, Shanza Iftikhar, Amir Ali Khan, Ahmad Salman

Real-Time Multi-View Generation System Using Depth Image Information 326
Yang-Keun Ahn, Kwang-Mo Jung

Implementation of a Word Suggestion Keypad System Utilizing a 3D Space Hand Gesture Recognition 333
Yang-Keun Ahn, Kwang-Mo Jung

Signal Processing for Music Analysis 340
Poonam Priyadarshini

iCast: Image Compression Approach Using Segmentation and Total Variation Regularization 345
Ahmad Shahin, Fadi Chakik, Walid Moudani

Motion Estimation and Inter Prediction Mode Selection in HEVC 351
Ahmad Asghar, Muhammad Atiq, Rai Ammad Khan, Nadeem A. Khan

An Artifical Neural Network Model for Handwritten Digits Recognition 358
Snezana Zekovich, Milan Tuba

Bat Algorithm (BA) for Image Thresholding 364
Adis Alihodzic, Milan Tuba

Image Processing Framework for Shape Recognition by Invariant Features 370
Milan Tuba

Image Edge Detection with the Scale-Rate as a Measurement of Local Image Complexity 375
Kai Lu, N. E. Mastorakis, X. D. Zhuang

The Virtual Magnetic Moment for Image Matching with Rotating Transformation 381
Xiaodong Zhuang, N. E. Mastorakis

Embedded Fingerprint Recognition System 394
M. Kamaraju, P. Anil Kumar, B. Ananda Krishna, B. Rajasekhar

A Low Cost Demonstration Platform for Reducing Energy Consumption by Regulating Building Controls through VLC 402
Kofi Nyarko, Christian Emiyah

ISBN: 978-960-474-330-8

Successive Co-Channel Interference Cancellation with Blind Channel Estimation 408
Farzad Moazzami, Yacob Astatke, Richard A. Dean

Performance Evaluation of GMSK Modulation in Multipath Channels 412
Farzad Moazzami, Sibghat Ullah, Yacob Astatke

Authors Index 415

ISBN: 978-960-474-330-8

Plenary Lecture 1

Telecommunications in Cooperative Intelligent Transport Systems

Professor Tomas Zelinka
Czech Technical University in Prague
Faculty of Transportation Sciences
Czech Republic
E-mail: zelintom@fd.cvut.cz

Abstract: Intelligent Transport Systems (ITS) solutions offer wide range of telecommunications-based applications concentrated namelyon the traffic management, traffic safety improvementor e.g. on environmental impact minimization. Stand-alone vehicle support can improve driver´s ability to correctly act in critical situations or improve efficiency of transport process. However, benefits of such support can be magnified if the individual vehicles can suitably exchange data with the other vehicles on the road as well as with the infrastructure systems.Recently emphasis in this area turned ITSto the Cooperative ITS where each equipped vehicle has got ability to communicate with the otherequipped vehicles (V2V) as well as with the infrastructuresystems (V2I). Cooperative ITS implementationsrequire guaranteed quality mobiledata services, low data latency and widely spread roads and highways network coverage. Publically available wireless mobile data services can offer quite reasonable area coverage. However, provided packet service latency use to be above Cooperative ITS requirements and mostly noguaranteed service quality and securityis available.
New generation of OFDM based services specificallyDSRC 5.9 (Data Short Range communication) designed for the V2V and V2I communication or publically availableLTE services open conditions for provisioning of appropriate telecommunications services. Theirfirst implementations prove appearance of the new potentialin this area. Our view of this potential will be presented.
Transferred data volumesboth inV2V and V2I regimesextremely quickly grow.Step by step vehicles integration in the global networks, however, represents fertile conditions forindividual vehicles networks attacks. Hostile attack ofvehicle on board data communication network based typically on the CAN(Controlled Area Network)can easily cause fatal consequences. Therefore telecommunications security ismore and more understood as the crucial part of the Cooperative ITS telecommunications solutions. Some our approaches improving availabletelecommunications security tools will be presented, as well.

Brief Biography of the Speaker: Professor of Informatics at the Czech Technical University (CTU) in Prague,
PhD in Experimental Physics at the Czechoslovak Academy of Sciences,
Master degree in Cybernetics and Computer Sciences at the CTU in Prague,
2005 - CTU in Prague,Faculty of Transport Sciences(FTS)
Basic and advanced lectures in area of telecommunications sciences, specific telecommunication solutions for the Intelligent Transport Systems (ITS) and cooperative ITS, telecommunications services management etc.,
R&D - specific telecommunications solutions dedicated for the ITS, Electronic Toll Collection (ETC) acting as well as the national representative in ISO/CEN, vehicle On Board Units architecture, security in telecommunications etc.
1993 – 2005 Communications business
New products R&D, business development for products like VSAT data services (EuroTel) or IP/SS7based international voice networks interconnect within CEEMEA region (Global One (JV of Sprint Int., FT, DT), acting as the external mentor at the of the CTU in Prague, FTS and member of governmental telecommunications liberalization committee
1976 – 1993 Czechoslovak Academy of Sciences, Geophysical Institute
Experimental laboratory and observatory methods in geophysics, studies of the variations and drift of the Earth magnetic field, data communication solutions within international geomagnetic observatory system (INTERMAG), computer modeling of magnetic material structures with on-line laboratory identification, laboratory study of the magnetic properties of rocks,
1972 – 1976 Industrial R&D Automatic control systems for the technological processes – CNC (Computer Numerical Control),Data communications and computer based control in the heavy duty technological processes,
Published above 125 scientific papers, monographs, books and University textbooks in physics, informatics, ITS, transport telematics and telecommunications.

Plenary Lecture 2

Image Processing Algorithm for Shape Recognition by Invariant Features

Professor Milan Tuba
Faculty of Computer Science
University Megatrend Belgrade
Serbia
E-mail: tuba@ieee.org

Abstract: Digital image processing is one of the most used procedures in the wide area of human activities like medicine, manufacturing, science etc. Image processing covers a range of techniques, from elementary pixel based and local signal processing for some desirable image transformations to more complex algorithms for segmentation, recognition and information deduction. This plenary lecture describes an algorithm for shape recognition based on invariant features. After initial processing, that may include noise reduction, processing that emphasizes certain features, initial thresholding and segmentation, the image is ready for shape recognition. However, since the detected shapes can be in various positions and distances which makes template based recognition difficult, invariant features of the shapes are preferred for recognition. Additional problem is that usually such features are not enough for reliable discrimination and additional elements are added to the algorithm to enhance classification. Some elements of the pre-processing as well as classification may be hard optimization problems so optimization metaheuristics, specifically from the swarm intelligence family, are used at these stages.

Brief Biography of the Speaker: Milan Tuba is Professor of Computer Science and Provost for mathematical, natural and technical sciences at Megatrend University of Belgrade. He received B. S. in Mathematics, M. S. in Mathematics, M. S. in Computer Science, M. Ph. in Computer Science, Ph. D. in Computer Science from University of Belgrade and New York University. From 1983 to 1994 he was in the U.S.A. first as a graduate student and teaching and research assistant at Vanderbilt University in Nashville and Courant Institute of Mathematical Sciences, New York University and later as Assistant Professor of Electrical Engineering at Cooper Union Graduate School of Engineering, New York. During that time he was the founder and director of Microprocessor Lab and VLSI Lab, leader of scientific projects and supervisor of many theses. From 1994 he was Assistant Professor of Computer Science and Director of Computer Center at University of Belgrade, from 2001 Associate Professor, Faculty of Mathematics, and from 2004 also a Professor of Computer Science and Dean of the College of Computer Science, Megatrend University Belgrade. He was teaching more than 20 graduate and undergraduate courses, from VLSI Design and Computer Architecture to Computer Networks, Operating Systems, Image Processing, Calculus and Queuing Theory. His research interest includes mathematical, queuing theory and heuristic optimizations applied to computer networks, image processing and combinatorial problems. He is the author or coauthor of more than 150 scientific papers and coeditor or member of the editorial board or scientific committee of number of scientific journals and conferences. Member of the ACM since 1983, IEEE 1984, New York Academy of Sciences 1987, AMS 1995, WSEAS, SIAM, IFNA.

ISBN: 978-960-474-330-8

Authors Index

Adamek, M. 281, 287
Ahn, Y.-K. 326, 333
Akhtar, S. 320
Al Fares, H. A. 45
Alawairdhi, M. 87
Alazemi, F. 87
Alihodzic, A. 139, 364
Aljumah, A. 58
Asghar, A. 351
Astatke, Y. 298, 408, 412
Atiq, M. 351
Bronner, L. 256
Caka, N. 292
Capor-Hrosik, R. 139
Cardoso, J. R. 191
Carr, R. 145
Chakik, F. 345
Chang, R.-K. 64
Chlan, A. 100
Cintra, J. 224
De Medeiros, J. E. L. 170, 242
Dean, R. A. 408
Della Ventura, M. 24, 316
Eldos, T. 58
Emiyah, C. 402
Fereira, M. L. 170
Fontana, C. F. 160, 170, 182
Fontana, C. F. 191, 199, 207
Fontana, C. F. 215, 224, 232
Fontana, C. F. 242
Fontana, C. M. M. 160
Harada, F. 113, 120, 127
Harada, F. 133, 270
Hashmani, M. 51
Ho, M.-K. 250
Hruza, P. 100
Hussain, S. S. 51
Iftikhar, S. 320
Inada, S. 133
Itado, Y. 120
Jerabek, M. 17
Jung, K.-M. 326, 333
Kabashi, Q. 292
Kajiwara, Y. 120, 127, 133
Kamaraju, M. 394
Kanan, A. 58
Karaata, M. H. 45
Khan, A. A. 320
Khan, E. 70
Khan, N. A. 351
Khan, R. A. 351
Krishna, B. A. 394
Kumar, P. A. 394
Kuo, L.-H. 64, 176, 250
Lacko-Bartosova, L. 77
Ladeji-Osias, J. 304
Laye, N. 256
Limani, M. 292
Lin, H.-C. 176
Lokaj, Z. 17
Lu, K. 375
Marcanik, P. 281
Marte, C. L. 170, 182, 191
Marte, C. L. 207, 215, 224
Marte, C. L. 232, 242
Mastorakis, N. E. 375, 381
Mehra, R. 311
Moazzami, F. 408, 412
Moudani, W. 345
Neumann, P. 281
Nishimoto, W. 113
Nwaogu, O. 256
Nyarko, K. 298, 304, 402
Oliveira, M. C. 215
Papa, F. 199
Pereira, S. L. 160
Pikula, M. 139
Pitas, J. 108
Pospisilik, M. 281, 287
Priyadarshini, P. 340
Rajasekhar, B. 394
Raza, K. 51, 93
Reece, M. A. 152
Revathi, V. 31
Riaz, A. 320
Sachan, S. B. L. 311
Sakurai, C. A. 160, 170, 182
Sakurai, C. A. 199, 207, 242
Salman, A. 320
Santos, A. 224
Scott, C. 304
Shahin, A. 345
Sharma, C. 277
Shimakawa, H. 113, 120, 127
Shimakawa, H. 133, 270
Sousek, R. 100, 108
Su, S.-M. 64
Sudha, K. H. 31
Thakur, M. A. 51
Thomas, C. G. 298
Tontani, Y. 127
Tuba, M. 139, 358, 364
Tuba, M. 370
Tung, W. 64
Ullah, S. 412
Varacha, P. 281, 287
Viverios, E. 152
Vukovic, M. 139
Waiyaki, C. 152
Whitney II, J. E. 145
Wilkins, G. M. 298
Yang, H.-H. 250
Yang, H.-J. 176, 250
Yano, E. T. 215
Yoshida, T. 270
Yoshioka, L. R. 182, 191, 207
Yoshioka, L. R. 215, 224, 232
Yoshioka, L. R. 242
Yu, J.-C. 176
Zabeli, M. 292
Zekovich, S. 358
Zelinka, T. 17
Zhuang, X. D. 375, 381

ISBN: 978-960-474-330-8