Transactions on Engineering Technologies
Preface

A large international conference on Advances in Engineering Technologies and Physical Science was held in San Francisco, California, USA, October 21–23, 2015, under the auspices of the World Congress on Engineering and Computer Science (WCECS 2015). The WCECS 2015 was organized by the International Association of Engineers (IAENG). IAENG, originally founded in 1968, is a non-profit international association for the engineers and the computer scientists. The WCECS Congress serves as an excellent platform for the members of the engineering community to meet and exchange ideas. The congress in its long history has found a right balance between theoretical and application development, which has attracted a diverse group of researchers, leading to its rapid expansion. The conference committees have been formed with over two hundred members including research center heads, deans, department heads/chairs, professors, and research scientists from over 30 countries. The full committee list is available at the congress’ web site: www.iaeng.org/WCECS2015/committee.html. WCECS conference is truly an international meeting with a high level of participation from many countries. The response to WCECS 2015 conference call for papers was outstanding, with more than six hundred manuscript submissions. All papers went through a rigorous peer-review process and the overall acceptance rate was 50.89%.

This volume contains 42 revised and extended research articles, written by prominent researchers, participating in the congress. Topics include engineering mathematics, electrical engineering, communications systems, computer science, chemical engineering, systems engineering, manufacture engineering, and industrial applications. This book offers the state of the art of tremendous advances in engineering technologies and physical science and applications; it also serves as an exceptional source of reference for researchers and graduate students working with/on engineering technologies and physical science and applications.

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Contents

1 Estimate the Impact of Different Heat Capacity Approximation Methods on the Numerical Results During Computer Simulation of Solidification .......................... 1
Robert Dyja, Elzbieta Gawronska, Andrzej Grosser, Piotr Jeruszka and Norbert Sczygiol

2 Analysis of Systemic Risk: A Dynamic Vine Copula-Based ARMA-EGARCH Model .............................................. 15
Kuan-Heng Chen and Khaldoun Khashanah

3 MOESP_AOKI_VAR: Algorithm for Space State Identification of Non-stationary Multivariable Noisy Linear Systems .............. 31
Johanna B. Tobar and Celso P. Bottura

4 Comparative the Performance of Control Charts Based on Copulas .......................................................... 47
Sasigarn Kuvattana and Saowanit Sukparungsee

5 Mamdani Fuzzy Decision Model for GIS-Based Landslide Hazard Mapping ...................................................... 59
Monalee A. dela Cerna and Elmer A. Maravillas

6 Laser Scanning as a Tool for the Analysis of Historical Buildings .......................................................... 75
Jerzy Szolomicki

7 A Simulation Study on Performance Validation of Indoor Location Estimation Based on the Radial Positive Distribution .... 89
Kosuke Okusa and Toshinari Kamakura

8 Semi-supervised Classification with Modified Kernel Partial Least Squares ...................................... 101
Paweł Błaszczyk
<table>
<thead>
<tr>
<th>Chapter</th>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>2D-DOAE Improvement Using ESPRIT with Doppler Correction</td>
<td>117</td>
</tr>
<tr>
<td></td>
<td>Youssef Fayad, Caiyun Wang and Qunsheng Cao</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Pathologies Segmentation in Eye Fundus Images Based on Frequency Domain Filters</td>
<td>137</td>
</tr>
<tr>
<td></td>
<td>Gonzalo Urcid, Luis David Lara-R and Elizabeth López-M</td>
<td></td>
</tr>
<tr>
<td>11</td>
<td>The Distribution of HIV/AIDS Commodities: NPOS and Sustainability</td>
<td>153</td>
</tr>
<tr>
<td></td>
<td>Tatenda Talent Chingono, Sebonkile Cynthia Thaba and Charles Mbohwa</td>
<td></td>
</tr>
<tr>
<td>12</td>
<td>Representation of a DNA Sequence by a Substring of Its Genetic Information</td>
<td>167</td>
</tr>
<tr>
<td></td>
<td>Bacem Saada and Jing Zhang</td>
<td></td>
</tr>
<tr>
<td>13</td>
<td>Fatal Flaws in Norwich’s “Mystery of Loudness Adaptation”</td>
<td>179</td>
</tr>
<tr>
<td></td>
<td>Lance Nizami</td>
<td></td>
</tr>
<tr>
<td>14</td>
<td>Wrong Limits and Wrong Assumptions: Kenny Norwich and Willy Wong Fail to Derive Equal-Loudness Contours</td>
<td>193</td>
</tr>
<tr>
<td></td>
<td>Lance Nizami</td>
<td></td>
</tr>
<tr>
<td>15</td>
<td>High Assurance Asynchronous Messaging Methods</td>
<td>205</td>
</tr>
<tr>
<td></td>
<td>William R. Simpson and Kevin Foltz</td>
<td></td>
</tr>
<tr>
<td>16</td>
<td>Regional Differences in Iwate Prefecture Road Usage Recovery Following the 2011 Tohoku Earthquake</td>
<td>219</td>
</tr>
<tr>
<td></td>
<td>Noriaki Endo and Hayato Komori</td>
<td></td>
</tr>
<tr>
<td>17</td>
<td>Computational Complexity Study of RSA and Elgamal Algorithms</td>
<td>233</td>
</tr>
<tr>
<td></td>
<td>A.E. Okeyinka</td>
<td></td>
</tr>
<tr>
<td>18</td>
<td>Ontology-Based Context Modeling and Reasoning for a Smart Space</td>
<td>245</td>
</tr>
<tr>
<td></td>
<td>Moeiz Miraoui</td>
<td></td>
</tr>
<tr>
<td>19</td>
<td>Performance Analysis of Heed Over Leach and Pegasus in Wireless Sensor Networks</td>
<td>259</td>
</tr>
<tr>
<td></td>
<td>Gaurav Kumar Nigam and Chetna Dabas</td>
<td></td>
</tr>
<tr>
<td>20</td>
<td>Spectral Properties and Error Rate Performance of Digital Chirp Communication System</td>
<td>267</td>
</tr>
<tr>
<td></td>
<td>Mohammad Alsharef, Abdulbaset M. Hamed and Raveendra K. Rao</td>
<td></td>
</tr>
<tr>
<td>21</td>
<td>Power Factor Control Mechanism for Optimum Efficiency in Wind Generators and Industrial Applications</td>
<td>289</td>
</tr>
<tr>
<td></td>
<td>Jude K. Obichere, Milutin Jovanovic and Sul Ademi</td>
<td></td>
</tr>
</tbody>
</table>
22 TBSC Compensator ................................. 305
Swapnil Patil, Khushal Shende, Dadgonda Patil and Anwar Mulla

23 Sensorless Speed Estimation by Using Rotor Slot
Harmonics for Squirrel Cage Induction Motor .......... 319
Hayri Arabaci

24 Selective Harmonic Elimination Technique Based on Genetic
Algorithm for Multilevel Inverters ..................... 333
Hulusi Karaca and Enes Bektas

25 Proposal of a Modulated Extended Cumulative Exposure
Model for the Step-Up Voltage Test .................... 349
Takenori Sakumura and Toshinari Kamakura

26 Gesture Recognition Sensor: Development of a Tool with Playful
Applications to Evaluate the Physical and Cognitive Skills
of Children Through the Use of Bootstrap Algorithm . 365
Anthony Bryan Freire Conrado, Vinicio David Pazmiño Moya,
Danni De La Cruz, Johanna Tobar and Paúl Mejía

27 Design of Learning Ontology and Service Model Through
Achievement Standards Profile Modeling ............... 381
Hyunsook Chung and Jeongmin Kim

28 Web Retrieval with Query Expansion: A Parallel
Retrieving Technique .................................. 397
Noha Mezyan and Venus W. Samawi

29 Enhanced Action Based Trust Model: A Multi-facet
Model for Social Media ................................ 411
Manmeet Mahinderjit Singh and Yi Chin Teo

30 A Motorized Akpu Milling Machine Design for Self
Employment and Wealth Generation in Nigeria ........ 425
Gbasouzor Austin Ikechukwu and Enemuoh Chioma Lorreta

31 Response Behavior Model for Process Deviations
in Cyber-Physical Production Systems ................. 443
Nadia Galaske, Daniel Strang and Reiner Anderl

32 Complete Bid Configuration. Supporting the Process
from the Perspective of the General Contractor .......... 457
Tomasz Błaszczyk and Pawel Błaszczyk

33 HIV/AIDS Humanitarian Supply Chain Management:
The Case of Zimbabwe ............................... 471
Talent Tatenda Chingono and Charles Mbohwa
34 Techno-Econometric Analysis of Membrane Technology for Biogas Upgrading .......................... 481
Samson O. Masebinu, Esther Akinlabi, Edison Muzenda,
Charles Mbohwa and Akinwale O. Aboyade

35 Validation of a Novel Method for Ethyl Lactate Separation Using Langmuir Hinshelwood Model ................. 499
Okon Edidiong, Shehu Habiba and Gobina Edward

36 Potential Impacts of Leachate From Waste Mixed
With CCA-Treated Wood Destined to Landfills ................. 513
Emmanuel Emem-Obong Agbenyeku, Edison Muzenda
and Innocent Mandla Msibi

37 The Use of Mathematical Modeling for the Development of a Low Cost Fuzzy Gain Schedule Neutralization Control System ........................................ 525
Rodrigo Sislian, Flávio Vasconcelos da Silva, Rubens Gedraite,
Heikki Jokinen and Dhanesh Kattipparambil Rajan

38 Recovery of VOC from Offshore and Onshore Shuttle
Tankers Using Structured Y-Type Zeolite Membranes .......... 541
Shehu Habiba, Adebayo Ajayi, Okon Edidiong and Edward Gobina

39 Effect of Operating Pressure on Fischer-Tropsch Synthesis
Kinetics over Titania-Supported Cobalt Catalyst ................. 555
Kalala Jalama

40 Characterization of Gamma-Alumina Ceramic Membrane ....... 563
Ifeyinwa Orakwe, Ngozi Nwogu and Edward Gobina

41 Investigation of Flue Gas and Natural Gas Separation Using
Silica Composite Membranes Formed on Porous Alumina
Support .................................................. 573
Ngozi Nwogu, Ifeyinwa Orakwe and Edward Gobina

Author Index .................................................. 583
Subject Index ................................................ 585