

PROCEEDINGS OF SPIE

International Conference on Computer Application and Information Security (ICCAIS 2023)

**Jerry Chun-Wei Lin
Haidong Shao**
Editors

**20–22 December 2023
Wuhan, China**

Organized by
Hubei Zhongke Institute of Geology and Environment Technology (China)

Published by
SPIE

Volume 13090

Part One of Two Parts

Proceedings of SPIE 0277-786X, V. 13090

SPIE is an international society advancing an interdisciplinary approach to the science and application of light.

International Conference on Computer Application and Information Security (ICCAIS 2023),
edited by Jerry Chun-Wei Lin, Haidong Shao, Proc. of SPIE Vol. 13090,
1309001 · © 2024 SPIE · 0277-786X · doi: 10.1117/12.3028927

Proc. of SPIE Vol. 13090 1309001-1

The papers in this volume were part of the technical conference cited on the cover and title page. Papers were selected and subject to review by the editors and conference program committee. Some conference presentations may not be available for publication. Additional papers and presentation recordings may be available online in the SPIE Digital Library at SPIDigitalLibrary.org.

The papers reflect the work and thoughts of the authors and are published herein as submitted. The publisher is not responsible for the validity of the information or for any outcomes resulting from reliance thereon.

Please use the following format to cite material from these proceedings:
Author(s), "Title of Paper," in *International Conference on Computer Application and Information Security (ICCAIS 2023)*, edited by Jerry Chun-Wei Lin, Haidong Shao, Proc. of SPIE 13090, Seven-digit Article CID Number (DD/MM/YYYY); (DOI URL).

ISSN: 0277-786X
ISSN: 1996-756X (electronic)

ISBN: 9781510675032
ISBN: 9781510675049 (electronic)

Published by
SPIE
P.O. Box 10, Bellingham, Washington 98227-0010 USA
Telephone +1 360 676 3290 (Pacific Time)
SPIE.org
Copyright © 2024 Society of Photo-Optical Instrumentation Engineers (SPIE).

Copying of material in this book for internal or personal use, or for the internal or personal use of specific clients, beyond the fair use provisions granted by the U.S. Copyright Law is authorized by SPIE subject to payment of fees. To obtain permission to use and share articles in this volume, visit Copyright Clearance Center at copyright.com. Other copying for republication, resale, advertising or promotion, or any form of systematic or multiple reproduction of any material in this book is prohibited except with permission in writing from the publisher.

Printed in the United States of America by Curran Associates, Inc., under license from SPIE.

Publication of record for individual papers is online in the SPIE Digital Library.

SPIE. DIGITAL LIBRARY
SPIDigitalLibrary.org

Paper Numbering: A unique citation identifier (CID) number is assigned to each article in the Proceedings of SPIE at the time of publication. Utilization of CIDs allows articles to be fully citable as soon as they are published online, and connects the same identifier to all online and print versions of the publication. SPIE uses a seven-digit CID article numbering system structured as follows:

- The first five digits correspond to the SPIE volume number.
- The last two digits indicate publication order within the volume using a Base 36 numbering system employing both numerals and letters. These two-number sets start with 00, 01, 02, 03, 04, 05, 06, 07, 08, 09, 0A, 0B ... 0Z, followed by 10-1Z, 20-2Z, etc. The CID Number appears on each page of the manuscript.

Contents

xv *Conference Committee*

Part One

COMPUTER APPLICATIONS IN PHYSICS

- 13090 02 **Electromagnetic characteristics calculation of FSS by the mixed method FDTD/extrapolation method in icing environment** [13090-18]
- 13090 03 **Motion detection of swirling multiphase flow in annular space based on electrical capacitance tomography** [13090-121]
- 13090 04 **Characterization of junction temperature of blue LED using centroid wavelength combined with FWHM** [13090-16]
- 13090 05 **Application of comprehensive geophysical methods in a skarn type polymetallic deposit in Mongolia** [13090-69]
- 13090 06 **Density functional theory of adsorption of O₂ on Ti (010) surface** [13090-58]
- 13090 07 **Topological order and quantum phase transition in a two-leg spin diagonal coupled setback ladder model** [13090-4]
- 13090 08 **Validation of the derived mathematical formulas correlating the normal and tangential components of acceleration with its rectangular (x-y) components** [13090-166]
- 13090 09 **Simplified method of evaluating integrals of powers of natural logarithm using permutation** [13090-168]
- 13090 0A **Development of trigonometric formula for $\sin^n\theta$ and $\cos^n\theta$ using half angle identities as mathematical algorithm** [13090-163]
- 13090 0B **Simplified method of evaluating integrals of powers of tangent using reduction formula as mathematical algorithm** [13090-164]
- 13090 0C **Lagrange multipliers applied to constrained minimization of surface area of a right pyramid with regular n-gon base** [13090-165]
- 13090 0D **Performance simulation of ultraviolet photodetector with graphene/gallium nitride Schottky junction** [13090-73]
- 13090 0E **Space-time spectral penalty method for a one-dimensional parabolic inverse problem** [13090-5]
- 13090 0F **A numerical simulation investigation of the axial force of a V-shaped clamp** [13090-103]

- 13090 OG **Overview of point cloud filtering algorithms based on lidar** [13090-106]
- 13090 OH **Optimization scheme for rapid analysis of copper ore grade using EDXRF** [13090-27]
- 13090 OI **Numerical simulation of internal waves caused by moving submerged body in continuously stratified fluid** [13090-29]
- 13090 OJ **A model based on Gaussian integration and modified acoustic temperature field reconstruction based on neighborhood-dependent regularization** [13090-13]
- 13090 OK **3D net-like Fe₃O₄/MWCNTs composites with wideband electromagnetic absorption performances** [13090-12]
- 13090 OL **Falling models under the influence of resistance** [13090-25]
- 13090 OM **Numerical study on non-premixed swirl flame flow and combustion characteristics** [13090-65]
- 13090 ON **Application of low Reynolds number modified SST model in numerical simulation of superlaminar flow of oil film in tilt pad journal bearings for rotary condenser** [13090-78]
- 13090 OO **Cosmic watch data analyse** [13090-130]
- 13090 OP **Behavioural analysis of cylindrical polygonal origami structures** [13090-68]
- 13090 OQ **Compact embeddings for fractional Sobolev spaces $HW^{s,p}$ in the Heisenberg group as $sp < Q$** [13090-62]
- 13090 OR **The redefinition of operational quantities and its impact on external radiation monitoring** [13090-77]
- 13090 OS **Study on the absorbed dose in 1 cm water by I-125 particle sources and the performance of water-equivalent materials** [13090-26]
- 13090 OT **Performance testing of a fully automated extrapolation ionization chamber with adjustable collection electrodes** [13090-141]
- 13090 OU **Design and demonstration of the integrated electro-optical countermeasure system for low, slow, and small unmanned aerial vehicles (UAVs)** [13090-162]

COMPUTING AND MODELING

- 13090 OV **Safety and security-related event detection in industrial control system using convolutional transformer** [13090-14]
- 13090 OW **Research on digital twin modeling and standardization requirements and application** [13090-100]

- 13090 0X **Integrating security factors into fault tree analysis: a safety and security co-analysis approach for AADL models** [13090-7]
- 13090 0Y **Research on mission planning model of multi-aircraft material delivery and supply** [13090-9]
- 13090 0Z **Based on WOA-BP neural network power the behavior detection** [13090-10]
- 13090 10 **Scene object detection method based on improved YOLOv5** [13090-17]
- 13090 11 **Research on initial carbon quota allocation in China's power industry based on ZSG-DEA** [13090-34]
- 13090 12 **CPLM: correct pseudo-label of mixed-mode for domain adaptive semantic segmentation under adverse conditions** [13090-40]
- 13090 13 **Investigation into the willingness to accept of electric vehicle (EV) users to engage in vehicle-to-grid (V2G) participation** [13090-48]
- 13090 14 **Dynamic replica management model based on LSTM** [13090-51]
- 13090 15 **Topic extraction over danmaku text with pre-training model** [13090-81]
- 13090 16 **Advancements in Demodex mite detection: a comparative analysis of YOLOv5 and YOLOv8 utilizing microscopic examination images** [13090-142]
- 13090 17 **Computer simulation of corrugated plate materials for bearing capacity assessment and optimal design in old bridge reinforcement** [13090-85]
- 13090 18 **Digital virtual ecological product development and design intelligent system based on SaaS mode** [13090-87]
- 13090 19 **AfterTap: an AR-guided construction system** [13090-88]
- 13090 1A **Study on simulation method of human in the closed-loop driving stick** [13090-139]
- 13090 1B **Variable selection for the multivariate correlated response vector generalized linear model based on MCMC methods** [13090-92]
- 13090 1C **Research on natural language generation and text composition based on deep learning and text generation** [13090-93]
- 13090 1D **A hybrid model of CNN+ViT of the recognition for *Spodoptera frugiperda* larval instar stages** [13090-96]
- 13090 1E **Tangelo grading method based on deep neural network and fuzzy decision** [13090-111]
- 13090 1F **A digital image credibility evaluation model based on encoder-decoder network** [13090-140]

- 13090 1G **Research on intelligent fault detection method for OTN based on BERT neural network** [13090-120]
- 13090 1H **Optimizing dry eye disease diagnosis: integrating deep learning insights from OSDI questionnaires and ocular blinking videos** [13090-153]
- 13090 1I **An implementation method of the subject-oriented database based OLAP** [13090-125]
- 13090 1J **Application of the fuzzy clustering analysis based on statistical real estate's key indicators** [13090-126]
- 13090 1K **SINS fine alignment method based on forward/inverse navigation scheme for intelligent track inspection trolleys** [13090-128]
- 13090 1L **Deep contrastive learning based UWB AOA localization method in NLOS environments** [13090-159]
- 13090 1M **A transfer model for evaluating text classification models based on CNN-RBM** [13090-129]
- 13090 1N **An intelligent control model of ambulances in emergency scenarios** [13090-132]
- 13090 1O **Automatic grain trait measurement via concave point detection and ellipse fitting** [13090-160]
- 13090 1P **Modeling and simulation of two-dimensional cutting problem** [13090-135]
- 13090 1Q **Semi-supervised clustering of PM_{2.5} pollution** [13090-20]
- 13090 1R **Study on temperature variation law of hot mix asphalt mixture based on nano aerogel insulation felt-slag cotton felt insulation layer** [13090-94]
- 13090 1S **Cause analysis of wind turbine fire accident** [13090-6]
- 13090 1T **Research on medical device traceability technology based on privacy computing** [13090-147]
- 13090 1U **Simulation and analysis of surrounding rock deformation during construction of water-rich soft rock tunnels** [13090-22]
- 13090 1V **Thematic evolution analysis of human 3D reconstruction domain based on LDA model** [13090-174]
- 13090 1W **An online resource efficient scheduling for colocation MLaaS cluster** [13090-175]
- 13090 1X **Joint learning of aspect term and aspect category sentiment analysis with BERT-based stacking models** [13090-178]
- 13090 1Y **Construction of network security vulnerability static detection model based on graph convolutional neural network** [13090-179]

- 13090 1Z **Reinforcement learning explains Android malware behavior based on graph neural network**
[13090-182]
- 13090 20 **Research on optimization of electric vehicle charging station network based on cost model**
[13090-184]
- 13090 21 **Ontology-based line-seru conversion scenario modeling** [13090-80]

ALGORITHM AND PROGRAMMING

- 13090 22 **Improved sparrow search algorithm based on hybrid-strategy** [13090-30]
- 13090 23 **Research on optimization of rail surface defect detection algorithm** [13090-47]
- 13090 24 **Encrypted traffic classification based on contrastive learning with spatial-temporal feature fusion** [13090-74]
- 13090 25 **An indoor positioning method based on pedestrian dead reckoning and map matching**
[13090-161]
- 13090 26 **Study on analysis and calculation method of the force between wire rope and drum for long distance and large span stringing of transmission lines** [13090-95]
- 13090 27 **Enhanced DEMUCS-based algorithm is utilized for EEG artifact suppression** [13090-98]
- 13090 28 **Complex variable element-free Galerkin method for Helmholtz equations with variable wave numbers** [13090-102]
- 13090 29 **Design and implementation of video popularity prediction system based on machine learning**
[13090-105]
- 13090 2A **Learning to evaluate: a few-shot non-intrusive speech quality assessment method based on meta-learning** [13090-152]
- 13090 2B **Considering the full induction control of intersection for intelligent connected new energy vehicles** [13090-156]
- 13090 2C **Research on smart cockpit evaluation system based on objective evaluation method**
[13090-118]
- 13090 2D **GCC-YOLOv7: accelerate printed circuit board small target detection** [13090-123]
- 13090 2E **An efficient online hard instance mining algorithm for semantic segmentation combining category and instance information** [13090-154]
- 13090 2F **Real-time attitude indicator simulation algorithm in flight simulators** [13090-127]

- 13090 2G **Model compression algorithm and model recovery strategy based on channel importance** [13090-131]
- 13090 2H **An interference signal recognition algorithm based on AutoEncoder-SVM model** [13090-134]
- 13090 2I **A detection method for image content aware tampering based on ULBP** [13090-155]
- 13090 2J **Cluster analysis: application of K-means algorithm to explore the sea surface temperature and salinity patterns** [13090-89]
- 13090 2K **A traffic scheduling algorithm** [13090-79]

Part Two

- 13090 2L **An efficient consensus algorithm based on proxy signature of SM2** [13090-136]
- 13090 2M **A semi-supervised log anomaly detection method based on active learning and self-training** [13090-143]
- 13090 2N **Dam slope deformation prediction method based on BP autoregressive algorithm** [13090-3]
- 13090 2O **Node pressure energy method for airflow on-demand distribution in mine based on ecosystem theory** [13090-61]
- 13090 2P **A gearbox fault diagnosis algorithm based on convolutional neural network and fusion coordinate attention mechanism** [13090-56]
- 13090 2Q **An uncertainty principle for linear canonical transform** [13090-84]
- 13090 2R **Students' academic performance comparison under different modalities of Mapúa MCL FLUX for engineering dynamics** [13090-167]
- 13090 2S **Application of x-ray fluorescence technology in lithology discrimination** [13090-66]
- 13090 2T **Optimizing data reliability and constructing a fusion monitoring system using static level and GNSS measurements** [13090-21]
- 13090 2U **Pressure difference of irrigation pipe network system based on binary tree** [13090-64]
- 13090 2V **Pressure control of natural gas supply system based on self-coupling PID control** [13090-55]
- 13090 2W **M2SE: multiple scenario-semantic exploration for multi-agent cooperative learning** [13090-170]
- 13090 2X **Research on the coordinated control between regenerative braking and stability for hybrid electric vehicles** [13090-171]

- 13090 2Y **A method of flavors and fragrances identification based on hybrid neural network** [13090-172]
- 13090 2Z **Research on personalized recommendation of electronic books under the background of smart campus** [13090-173]
- 13090 30 **The fractional order PID control of dual-nozzle-flapper pressure servo valve based on the method of particle swarm optimization** [13090-177]
- 13090 31 **Big data analysis under deep uncertainty in smart city planning: a new framework** [13090-180]
- 13090 32 **An algorithm for detecting false sales quantities of products at an optimal state based on inter-distribution distances** [13090-190]
- 13090 33 **Research on stability control prediction in power grid electromagnetic field control system** [13090-191]
- 13090 34 **Personalized online learning recommendation system based on collaborative filtering algorithm** [13090-185]
- 13090 35 **Robot arm sorting system based on convolutional neural network in target detection** [13090-193]
- 13090 36 **Engineering cost prediction based on BIM and BP neural network** [13090-186]
- 13090 37 **Scientific and technological innovation and industrial structure optimization and upgrading based on improved KNN-DPC algorithm** [13090-35]
- 13090 38 **Procurement strategy of agreed inventory based on decision tree algorithm** [13090-38]
- 13090 39 **Construction of exoskeleton motion control platform and research on control algorithm** [13090-54]
- 13090 3A **Research on multi-objective scheduling of automated material transportation systems based on intelligent algorithms** [13090-57]
- 13090 3B **Shielding design and optimization of vehicle mounted nuclear power supply for heat pipe reactor** [13090-71]
- 13090 3C **Construction of intelligent meteorological warning system for disaster prevention and mitigation based on genetic arithmetic** [13090-31]
- 13090 3D **A phase contrast cell microscopic image enhancement algorithm based on sliding window and multi-scale Gaussian filtering** [13090-157]

IMAGING AND PROCESSING

- 13090 3E **Superpixel-based region features fuzzy C-means clustering for color image segmentation** [13090-1]

- 13090 3F **Supervised feature selection based on interclass distinctions for scene classification** [13090-39]
- 13090 3G **Research on crop area estimation based on super-resolution reconstruction of remote sensing videos** [13090-91]
- 13090 3H **Face recognition technology and privacy protection methods based on deep learning** [13090-97]
- 13090 3I **Detail feature pyramid network for small object detection in aerial images** [13090-99]
- 13090 3J **Study on brain image denoising based on dual-channel residual network** [13090-109]
- 13090 3K **Research on the source tracing and authentication of mobile phone screenshot images** [13090-146]
- 13090 3L **Forensic authentication examination of webcam videos** [13090-149]
- 13090 3M **Computer-generated image detection based on deep LBP network** [13090-144]
- 13090 3N **Selection of different inversion parameters in controlled source audio frequency magnetotelluric data processing: a case study of Duolun basin** [13090-59]
- 13090 3O **Remote sensing monitoring of *Lonicera japonica* root rot disease based on UAV images** [13090-169]

SENSORS AND COMPUTER SYSTEMS

- 13090 3P **Bridge crack segmentation algorithm based on the novel full convolutional neural network** [13090-49]
- 13090 3Q **Research on a lightweight real-time anomaly traffic detection method** [13090-53]
- 13090 3R **Design of a one-time programmable memory controller** [13090-119]
- 13090 3S **A comparative study of network processor chips for G-SRV6** [13090-41]
- 13090 3T **Research on joint entity relationship extraction based on graph convolutional neural network** [13090-151]
- 13090 3U **A ring-oscillator-based physical unclonable function for hardware security on FPGA platform** [13090-75]
- 13090 3V **Individual causal effect via ridge fusion** [13090-138]
- 13090 3W **Design of intelligent flower pot based on SCM** [13090-82]

- 13090 3X **Designing energy-conserving scheme by mobile sink for mobile wireless sensor network** [13090-112]
- 13090 3Y **Design and research of interactive intelligent wireless charging system** [13090-113]
- 13090 3Z **Integrated aircraft network based on IP hierarchical structure** [13090-124]
- 13090 40 **Detection technology and detection methods of cable-stayed cables used in bridges based on intelligent detection robots** [13090-52]
- 13090 41 **Study on structural checking method of inclined elevator for tower group of 500 kV Jiangyin second crossing of Yangtze River** [13090-60]
- 13090 42 **Research and application of automatic walking marking robot for overhead transmission line** [13090-70]

INFORMATION SECURITY AND TECHNOLOGY

- 13090 43 **Intelligent recruitment system based on big data analysis** [13090-8]
- 13090 44 **Data-driven online learning recommendation system** [13090-15]
- 13090 45 **An integrated application system for image recognition and symptom identification based on silkworm disease knowledge graph** [13090-101]
- 13090 46 **Application of information management system in biochemical testing** [13090-83]
- 13090 47 **Malware homology analysis method based on family gene similarity** [13090-90]
- 13090 48 **Intelligent computer information system technology in medical testing applications** [13090-150]
- 13090 49 **Data security risk assessment methodology based on improved FCE** [13090-104]
- 13090 4A **Research on anomaly detection technology of IoT mobile terminal based on watermark detection** [13090-108]
- 13090 4B **Refined multi-channel inception network for automobile insurance fraud identification based on attention mechanism and dense connection structure** [13090-110]
- 13090 4C **Research on a layered security protection system for data sharing in the data middle platform** [13090-114]
- 13090 4D **Research and application of 5G-based smart airport terminal security access** [13090-115]
- 13090 4E **Convertible certificateless proxy re-signcryption for data access control in cloud computing** [13090-116]

- 13090 4F **Performance analysis and optimization suggestions of intelligent electric vehicle based on big testing data** [13090-117]
- 13090 4G **Research and application of 6G communication network slicing technology under new power system** [13090-122]
- 13090 4H **Exploring the application of 6G technology in electric power wireless communication system** [13090-133]
- 13090 4I **Privacy-preserving and verifiable secure data aggregation for a national carbon emissions monitoring platform** [13090-19]
- 13090 4J **Research on model validation of routing protocol for UAV swarm cooperative disaster relief system** [13090-181]
- 13090 4K **Educational data of college students based on SPSS technology** [13090-32]
- 13090 4L **Integration path of computer application technology and information management in the context of big data** [13090-36]
- 13090 4M **Intelligent financial management system based on data mining** [13090-37]
- 13090 4N **A learning platform for basic courses of design major in colleges and universities based on data mining intelligent algorithms** [13090-43]
- 13090 4O **Application of sound vibration recognition technology in translation teaching system** [13090-44]
- 13090 4P **Research on the dynamic characteristics of the sorting mechanism in English translation recognition system** [13090-45]
- 13090 4Q **Research on intelligent detection method of cognitive ability based on principal component analysis and extreme learning machine** [13090-46]

ARTIFICIAL INTELLIGENCE AND APPLICATIONS

- 13090 4R **Research on the early warning of financial system risks of debt of local and regional government based on artificial intelligence from the perspective of text analysis** [13090-137]
- 13090 4S **Application of human-computer interaction technology in muscle strength assessment for youth soccer players** [13090-176]
- 13090 4T **Artificial intelligence-based determination strategy for lung cancer spread through air space (STAS)** [13090-183]
- 13090 4U **User behavior analysis of cloud service based on graph neural network research on personalized recommendation algorithm** [13090-192]
- 13090 4V **User behavior analysis and analysis of intelligent library based on LSAT personalized recommendation research** [13090-194]

- 13090 4W **Automatic optimization of building interior space layout based on CNN** [13090-195]
- 13090 4X **Research on computer vision application data storage and management based on distributed database** [13090-187]
- 13090 4Y **Research on vehicle anti-fatigue driving detection system based on artificial intelligence** [13090-188]
- 13090 4Z **Research on design and application of multi-dimensional monitoring and early warning system for slope safety** [13090-196]
- 13090 50 **Research on the design and application of slope safety monitoring and early warning system based on multiple monitoring units** [13090-189]
- 13090 51 **Video data security prevention system based on artificial intelligence** [13090-33]
- 13090 52 **Implementation of park power loss system based on artificial intelligence** [13090-42]

Conference Committee

Conference Editors

Jerry Chun-Wei Lin, Western Norway University of Applied Sciences
(Norway)
Haidong Shao, Hunan University (China)

Conference Chairs

Patrick Siarry, Université Paris-Est Créteil Val de Marne (France)
Vijayakumar Varadarajan, Ajeenkya DY Patil University (India) and
The University of New South Wales (Australia)
Shunli Wang, Southwest University of Science and Technology (China)
Jerry Chun-Wei Lin, Western Norway University of Applied Sciences
(Norway)
Haidong Shao, Hunan University (China)
Pascal Lorenz, University of Haute Alsace (France)
Lei Chen, Shandong University (China)

Technical Program Committee

Moshayedi Ata Jahangir, Jiangxi University of Science and
Technology (China)
Sachin Kumar, SRM Institute of Science and Technology (India)
Flavio Bertini, University of Parma (Italy)
Fateh Mebarek-Oudina, Université 20 août 1955 (Algeria)
Mahmoud Hassaballah, South Valley University (Egypt)
Ashraf Darwish, Helwan University (Egypt)
Wen-Cheng Lai, National Yunlin University of Science and Technology
(China)
Mangal Deep Gupta, Deen Dayal Upadhyaya Gorakhpur University
(India)
Chi-Hua Chen, Chunghwa Telecom Co., Ltd. (China)
B. Sumathy, Sri Sairam Engineering College (India)
Chaoqun Duan, Shanghai University (China)
Reza Shahbazian, University of Calabria (Italy)
Khongdet Phasinam, Pibulsongkram Rajabhat University (Thailand)
Muhammad Ilyas, Altinbas University (Turkey)
Wen Tang, North Carolina State University (United States)
Stefano Mariani, Politecnico di Milano (Italy)
Adam Slowik, Koszalin University of Technology (Poland)
J. P. Ananth, Sri Krishna College of Engineering and Technology (India)
Christian Basil Omeh, University of Nigeria (Nigeria)
Ali Saoucha Naziha, University of Algiers (Algeria)

Muhammed Jamshed Alam Patwary, International Islamic University
Chittagong (Bangladesh)
Ahmed Ibrahim Bahgat El Seddawy, Supreme Council of Universities
(Egypt)
Kamanashis Biswas, Australian Catholic University (Australia)
Sudan Jha, Kathmandu University (Nepal)
Tuyatsetseg Badarch, Mongolian National University (Mongolia)
Odoom Justice, Southwest University of Science and Technology
(China)
Mohammad Ali Khoshkholghi, Middlesex University London
(United Kingdom)
Sofiane Hamrioui, ESAIP Engineer School (France)
Aysh Alhroob, Isra University (Jordan)
Jiasheng Yang, Anhui University of Technology (China)