



EECSS 2019

PROCEEDING OF THE 5TH WORLD CONGRESS ON ELECTRICAL ENGINEERING AND COMPUTER SYSTEMS AND SCIENCE (EECSS'19)

AUGUST 21 - 23, 2019 | LISBON, PORTUGAL

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WELCOME MESSAGE FROM THE CONFERENCE CHAIR

On behalf of the International Academy of Science, Engineering and Technology (International ASET Inc.), the organizing committee would like to welcome you to the 5th World Congress on Electrical Engineering and Computer Systems and Science (EECSS'19).

EECSS is aimed to become one of the leading international annual congresses in the fields of electrical engineering and computer systems and science. This congress will provide excellent opportunities to the scientists, researchers, industrial engineers, and university students to present their research achievements and to develop new collaborations and partnerships with experts in the field.

While each conference consists of an individual and separate theme, the 5 conferences share considerable overlap, which prompted the organization of this congress. The goal of this undertaking is to bring together experts in each of the specialized fields, and at the same time allow for cross pollinations and sharing of ideas from the other closely related research areas.

We thank you for your participation and contribution to the 5th World Congress on Electrical Engineering and Computer Systems and Science (EECSS'19). We wish you a very successful and enjoyable experience.

Dr. Luigi Benedicenti

*Congress Chair and Proceedings Editor
EECSS'19*

Dr. Zheng Liu

*Congress Co-Chair and Proceedings Editor
EECSS'19*

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ABOUT EECSS'19

EECSS is aimed to become one of the leading international annual congresses in the fields of electrical engineering and computer systems and science.

This congress will provide excellent opportunities to the scientists, researchers, industrial engineers, and university students to present their research achievements and to develop new collaborations and partnerships with experts in the field.

There are 5 conferences included in the EECSS Congress:

CIST'19 - 4th International Conference on Computer and Information Science and Technology

MHCI'19 - 6th International Conference on Multimedia and Human-Computer Interaction

MVML'19 - 5th International Conference on Machine Vision and Machine Learning

ICBES'19 - 6th International Conference on Biomedical Engineering and Systems

EEE'19 - 5th International Conference on Electrical Engineering and Electronics

While each conference consists of an individual and separate theme, the 5 conferences share considerable overlap, which prompted the organization of this congress. The goal of this undertaking is to bring together experts in each of the specialized fields, and at the same time allow for cross pollinations and sharing of ideas from the other closely related research areas.

EECSS is an acronym for **E**lectrical, **E**ngineering and **C**omputer **S**ystems and **S**cience .

The proceedings is published in Ottawa, Canada.

All papers were peer-reviewed

The congress proceedings is published under an ISSN and ISBN number

Each paper is assigned a unique DOI number by [Crossref](#)

The conference proceedings is indexed by [Google Scholar](#)

The proceedings is permanently archived in [Portico](#) (one of the largest community-supported digital archives in the world)

 Google Scholar

 Crossref

 PORTICO

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SCIENTIFIC COMMITTEE

We would like to thank the following for accepting to act as a member of the Scientific Committee for the EECSS'19 Congress:



Dr. Luigi Benedicenti
University of New Brunswick,
Canada
Congress Chair



Dr. Zheng Liu
University of British Columbia,
Canada
Congress Co-Chair

Scientific Committee Members for CIST'19

- **Dr. Mahmoud Abaza**, Athabasca University, Canada
- **Dr. Luigi Benedicenti**, University of New Brunswick, Canada
- **Dr. Aparicio Carranza**, New York City College of Technology, USA
- **Dr. Mu-Song Chen**, Da-Yeh University, Taiwan
- **Dr. Larbi Esmahi**, Athabasca University, Canada
- **Dr. Abdel Aziz Farrag**, Dalhousie University, Canada
- **Dr. Huei-Wen Ferng**, National Taiwan University of Science and Technology, Taiwan
- **Dr. Ziad Kobti**, University of Windsor, Canada
- **Dr. I-Hsien Ting**, National University of Kaohsiung, Taiwan
- **Dr. Ng To Yee Vincent**, The Hong Kong Polytechnic University, Hong Kong
- **Dr. Neli Zlatareva**, Central Connecticut State University, USA

Scientific Committee Members for MHCI'19

- **Dr. Cham Athwal**, Birmingham City University, United Kingdom
- **Dr. Ilaria Bartolini**, Università di Bologna, Italy
- **Dr. Ray-Guang Cheng**, National Taiwan University of Science and Technology, Taiwan
- **Dr. Constantinos Coursaris**, Michigan State University, USA
- **Dr. Mahmut Ekşioğlu**, Boğaziçi University, Turkey
- **Dr. Hosam El-Ocla**, Lakehead University, Canada
- **Dr. Borko Furht**, Florida Atlantic University, USA
- **Dr. Marius Preda**, Telecom SudParis, France
- **Dr. Hai Long Tran**, DePaul University, USA
- **Dr. Kazuhisa Yanaka**, Kanagawa Institute of Technology, Japan

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SCIENTIFIC COMMITTEE

Scientific Committee Members for MVML'19

- **Dr. Virginio Cantoni**, University of Pavia, Italy
- **Dr. Mu-Song Chen**, Da-Yeh University, Taiwan
- **Dr. Zheng Liu**, University of British Columbia, Canada
- **Dr. Dalila B. Megherbi**, University of Massachusetts Lowell, USA
- **Dr. Sim-Heng Ong**, National University of Singapore, Singapore

Scientific Committee Members for ICBES'19

- **Dr. Javad Alirezaie**, Ryerson University, Canada
- **Dr. Rashid Bashir**, University of Illinois at Urbana-Champaign, USA
- **Dr. Dennis Carter**, Stanford University, USA
- **Dr. Zhongping Chen**, University of California, Irvine, USA
- **Dr. Qiyin Fang**, McMaster University, Canada
- **Dr. Sang Jun Kim**, Samsung Medical Center, Korea
- **Dr. Peter Kneppo**, Czech Technical University in Lisbon, Portugal
- **Dr. Nazim Mir-Nasiri**, Nazarbayev Universtiy, Kazakhstan
- **Dr. Bart M. ter Haar Romeny**, Eindhoven University of Technology, Netherlands
- **Dr. Martin Rozanek**, Czech Technical University in Prague, Prague
- **Dr. Mohd Nazil Salleh**, Universiti Selangor, Malaysia

Scientific Committee Members for EEE'19

- **Dr. Pantelis Capros**, National Technical University of Athens, Greece
- **Dr. Mu-Song Chen**, Da-Yeh University, Taiwan
- **Dr. Ray-Guang Cheng**, National Taiwan University of Science and Technology, Taiwan
- **Dr. Wen-Jyi Hwang**, National Taiwan Normal University, Taiwan
- **Dr. Ahmed A. Kishk**, Concordia University, Canada
- **Dr. Samuel P. Kozaitis**, Florida Institute of Technology, USA
- **Dr. P. Sanjeevikumar**, Aalborg University, Denmark
- **Dr. Sreten Škuletić**, University of Montenegro, Montenegro
- **Dr. Alexandru Takacs**, CNRS LAAS, France

KEYNOTE SPEAKERS

The keynote information for the 5th World Congress on Electrical Engineering and Computer Systems and Science (EECSS'19) is as follows:

Keynote Speakers



Dr. Roy Eagleson
University of Western
Ontario, Canada
MHCI'19 Keynote Speaker



Dr. Aparicio Carranza
New York City College of
Technology, USA
CIST'19 Keynote Speaker



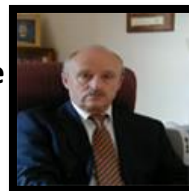
Dr. Dalila B. Megherbi
University of Massachusetts,
Lowell, USA
MVML'19 Keynote Speaker



Dr. Zhirun Hu
The University of Manchester,
UK
EEE'19 Keynote Speaker



Dr. Dominique P. Pioletti
École Polytechnique Fédérale de
Lausanne, Switzerland
ICBES'19 Keynote Speaker



Dr. Sam Mil'shtein
University of Massachusetts,
Lowell, USA
ICBES'19 Keynote Speaker

KEYNOTE SPEAKERS



Titles: Printed Graphene Radio Frequency and Microwave Electronics
Dr. Zhirun Hu, The University of Manchester, UK

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Zhirun Hu received his BEng in Communication Engineering from Nanjing, China in 1982. Maser in Business Administration and PhD in Electrical and Electronic Engineering from the Queens' University, Belfast, UK in 1988 and 1991, respectively. He joined the Department of Electrical and Electronic Engineering, University College of Swansea as a senior research assistant in computational semiconductor device modelling in 1991. He was with the Department of Electrical and Electronic Engineering, the Queens' University, Belfast, as a research fellow in MMIC design and characterization in 1994. In 1996, he joined GEC Marconi as a microwave technologist. He was a lecturer with the Department of Electronic Engineering, King's College London from 1998 to 2003. He is now a professor of RF and Microwave Electronics with the School of Electrical and Electronic Engineering, the University of Manchester. He has published more than 250 peer-reviewed journal and conference papers.



Titles: AI and Machine Learning for Multi-spectral Imaging Applications
Dr. Dalila Megherbi, University of Massachusetts, Lowell, USA

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Dr. Dalila B. Megherbi received the Sc.M in Electrical and Computer Engineering, the Sc.M in Applied Mathematics, and the Ph.D in Electrical and Computer Engineering from Brown University, Providence, RI, USA. Dr. Megherbi is a faculty of Electrical and Computer Engineering at the University of Massachusetts, Lowell. She is the founder and Director of the research Center for Computer Machine/Human Intelligence Networking and Distributed Systems (CMINDS). Her research is internationally recognized. Since joining UMass Lowell, Dr. Megherbi holds more than 120 refereed peer-reviewed publication articles, including in the IEEE and the prestigious Nature Biotechnology (impact factor 41.667). She holds US patent.

KEYNOTE SPEAKERS



Titles: Empowering Engineering and Information Technology (IT) Students to Become Evolutionary Cybersecurity Tinkers

Dr. Aparicio Carranza, New York City College of Technology, USA

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Aparicio Carranza is an Associate Professor in the Department of Computer Engineering Technology at The New York City College of Technology (CityTech) of The City University of New York (CUNY), Brooklyn, NY; and was the Department Chair from 2007 to 2013. He is an adjunct faculty in the Engineering Department (CE & EE) at SUNY New Paltz, NY, (Teaching Undergraduate and Graduate courses since Spring 2015). He is also an adjunct faculty in the Department of Mathematics & Computer Science at Marist College in Poughkeepsie, NY, (Teaching Undergraduate and Graduate courses since Fall 2016 – online and onsite).



Titles: The Role of Dissipation in Developing Hydrogels for Functional Tissue Engineering

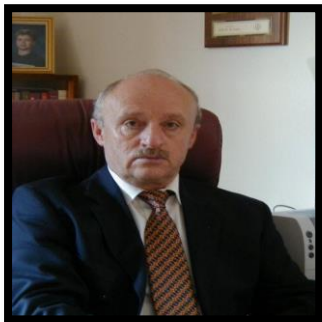
Dr. Dominique P. Pioletti, École Polytechnique Fédérale de Lausanne, Switzerland

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Dominique Pioletti received his Master in Physics from the EPFL in 1992 at Lausanne. He pursued his education in the same Institution and obtained his PhD in biomechanics in 1997. He developed original constitutive laws taking into account viscoelasticity in large deformation. Then he spent two years at UCSD as a post-doc fellow and was interested in particular to understand the molecular and cellular mechanisms leading to peri-implant osteolysis. He developed at that time the pioneer idea to use orthopedic implant as drug delivery system and has since proposed different solutions relevant for clinical applications. From 2006 to 2013, he was an Assistant Professor at EPFL and since August 2013, was appointed Associate Professor of Biomechanics at EPFL. He is the director of the Laboratory of Biomechanical Orthopedics. His research topics include biomechanics of the musculoskeletal system, mechanobiology in bone and cartilage, drug delivery system for bone and cartilage, functional tissue engineering. His close collaboration with different hospital departments has resulted in research output oriented toward applications.

KEYNOTE SPEAKERS



Titles: Novel Communication Technology for Individuals with Deaf/Blind Deficiencies
Dr. Sam Mil'shtein, University of Massachusetts, Lowell, USA

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Prof. S. Mil'shtein publication list carries over 270 publications, patents, and conference presentations. His current research work covers high speed quantum electronics, design of solar cell systems, imaging systems for biometrics and medical engineering applications. In recent years Prof. S. Mil'shtein served as member of organizing committees of number International Conferences covering various aspects of semiconductor electronics, nanotechnology and low-dimensional systems, homeland security.



Titles: User-Centred Design of Augmented and Virtual Reality HumanComputer Interfaces
Dr. Roy Eagleson
University of Western Ontario, Canada

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Roy Eagleson is Professor of Engineering at the University of Western Ontario, Canada, is a Core Member of the UWO Brain and Mind Institute, and is a Scientist and Principal Investigator at CSTAR, the Canadian Surgical Technologies and Advanced Robotics centre. His 1992 PhD was supervised by Zenon Pylyshyn at the Centre for Cognitive Science, and he did post-doctoral research at the Rutgers Center for Cognitive Science. His closest collaborating labs at UWO are directed by Terry Peters, Sandrine de Ribaupierre, Rajni Patel and Christopher Schlachta (CSTAR), and Mel Goodale (BMI). Professor Eagleson has taught undergraduate and graduate level courses in Human-Computer Interface Design for the past two decades. His research programme is funded by Canadian Federal agencies (NSERC, CFI) as well as provincial agencies (OCE, Mitacs), and has been a visiting researcher at the Augmented Reality labs in Munich (with Nassir Navab) and Rennes (with Pierre Jannin). Eagleson's research involves the formulation of Multimedia User Interface Design and Evaluation methodologies for Medical Image Visualization, and Computer-Assisted Surgical Interventions.

LIST OF PAPERS

The following papers were presented at the 5th World Congress on Electrical Engineering and Computer Systems and Science (EECSS'19).

Applied Computer Science

Investigating Motivation Factors of Software Engineers in 6 Countries

Authors: Assad Saud Alzayed

Integration of the Raspberry Pi and Cloud Technologies for Preventing Drunk Driving

Authors: Aparicio Carranza, Elizabeth Ferreira, Jorge Martinez, Tomas Chavez

LongiControl: A New Reinforcement Learning Environment

Authors: Roman Ließner, Jan Dohmen, Christoph Friebel, Bernard Bäker

Improving Deep Learning for Face Verification Using Color Histogram Equalization Data Augmentation

Authors: Yi-Quan Li, Daw-Tung Lin, Zhe-Wei Yeh

Bring Your Own Device (BYOD) Also Brings New Security Challenges

Authors: Harrison Carranza, Aparicio Carranza, Syed Zaidi

Performance Evaluation of a Raspberry Pi Bramble Cluster for Penetration Testing

Authors: Aparicio Carranza, Mahindra Ganesh, Harrison Carranza, Casimer DeCusatis

LIST OF PAPERS

Biomaterials

New Approaches in the Manufacture of Biomaterials for Betalactam Allergic Diagnose

Authors: Antonio Jesus Ruiz-Sanchez, Daniel Collado, Cristobalina Mayorga, Maria Jose Torres, Ezequiel Perez-Inestrosa

Numerical Simulation by CFD of the Growth of Osteocytes within a Bioreactor

Authors: Concepción Paz, Eduardo Suárez, Jesús Vence, Andrea Sande

Osteogenic Growth Factors Complex from Human Mesenchymal Stem Cells, Cultivated By Using Robotic Station

Authors: Mikhail Khotin, Svetlana Aleksandrova, Liubov Pokrovskaya, Sergey Nadezhdin, Ekaterina Zubareva, Stanislav Vasilyev, Renata Savchenko, Miralda Blinova, Natalia Mikhailova

Overcoming Challenges Across Production, Isolation and Antineoplastic Drug Loading of Exosomes

Authors: Esra Cansever Mutlu

Biomedical Engineering

Multi-Mode Biometrics for Law Enforcement Operations

Authors: S. Mil'shtein, M. Zinaddinov

Otoacoustic Emissions Probe Placement Checking: A Step Forward for Noninvasive Intracranial Pressure Monitoring

Authors: Jeferson Jhone Da Silva, Gregory Gerenton, Paul Avam Fabrice Giraudet

Interaction of Mesenchymal Stem Cells With Poly(Lactide-Co-Glycolide)/Hydroxyapatite Composite Scaffolds

Authors: Yuliya Nashchekina, Vladimir Botvin, Sergey Nadezhdin, Svetlana Aleksandrova, Lubov Pokrovskaya, Miralda Blinova, Natalia Mikhailova

LIST OF PAPERS

Communication Systems and Engineering

Realizing Waveguide-Grating Network Codecs to Recursively Suppress Optical Interference Noises

Authors: Jen-Fa Huang, Chun-Chieh Liu, Chung-Hao Li, Chao-Chin Yang

Alexa, Open Analyst Assistant”: Evaluating a Voice User Interface for Financial Analysis

Authors: Azadeh Nematzadeh, Grace Bang, Zhiqiang Ma, Shawn Liu

Direction of Security Monitoring for Substation Automation Systems

Authors: Sugwon Hong, Jae-Myeong Lee

Geographical Information System (GIS) for Managing the Production and Cultivated Areas of Orange in Egypt

Authors: Enas Raafat Maamoun Shouman

Biomedical Optics

Intraoperative In-vivo Verification of Tissues by Optical Spectroscopy

Authors: Dmitry Rogatkin, Irina Raznitsyna, Polina Glazkova

Rapid Intra-Operative Tumor Classification by ATR-FTIR Spectroscopy of Tissue Smears: A Preliminary Study

Authors: Dov Malonek, Ilan Bruchim, Ben Zion Dekel, Renat Reens-Carmel, Gabriel Groisman, Mordechai Hallak

Oral Cancer Diagnostics Using FTIR-ATR Spectra of Salivary Exosomes: A Preliminary Study

Authors: Ben Zion Dekel, Ayelet Zlotogorski-Hurvitz, Dov Malonek, Ran Yahalom, Marilena Vered

LIST OF PAPERS

Image Processing

Modelling Blood Flow in an Aorta with Realistic Boundary Conditions

Authors: Adam Piechna, Olgierd Leonowicz, Iryna Gorbenko, Krzysztof Mikołajczyk

Visualization of Multimodal Brain Connectivity for Neurosurgical Planning Using Handheld Device Augmented Reality

Authors: Daiana Pur, Denis Kikinov, Sandrine de Ribaupierre, Roy Eagleson

Comprehensive 3-D Imaging of Near Field Magnetic Coil Patterns Using Multiple 2-D Planar Slices

Authors: Aparicio Carranza, Reena Dahle, Kevin Hart, Sean Hart

Mining Symptom and Disease Web Data with NLP and Open Linked Data

Authors: Hong Qing Yu

Research on Feature Descriptors for Vehicle Detection by LIDAR

Authors: Takuma Oiwane, Priscilla Indira Osa, Shuichi Enokida

Display System Using Wine Glass

Authors: Takumi Kobayashi, Toshiaki Yamanouchi, Kazuhisa Yanaka

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Electrical Engineering and Electronics

Investigation on Over-charging Characteristics of Lithium Iron Phosphate Battery

Authors: You-Chun Huang, Pei-Lin Chen, Yao-Ching Hsieh, Hung-Liang Cheng, Chin-Sien Moo

A Dimmable LED Driver with Fault Tolerance for Automotive Lighting

Authors: Shian-Nan Lin, Tung-Yen Lee, Zheng-Yan He, Yao-Ching Hsieh, Yong-Nong Chang, Chin-Sien Moo

Optimal Operation of GENCOs in Competitive Electricity Markets

Authors: Olamide Oriola, Nurul Chowdhury

Fuzzy Sliding Mode Control For Inverted Pendulum With Random Disturbance

Authors: Jieke Lin, Guanglin Shi, Shu Tang

GCPW-to-SIW Transition Using Tapered Slot

Authors: Chia-Fen Liu, Yi-Hsuan Lu, Chun-Long Wang

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Poster Session

Minimum Voltage Prediction Model for Application Processor Based on Deep Neural Network in Manufacturing Process

Authors: Seunggee Lee, Jee-Hyong Lee, Jungin Han

Right-Angled Differential Transmission Line Using Un-Chamfered Inductive Layout

Authors: Chia-Han Chang, Wen-Ju Chen, Chun-Long Wang

A 4-layer Concentrated Winding for a Permanent Magnet Synchronous Motor

Authors: Kim Hae-Joong, Moon Jae-Won

Improvement of Network Coverage Due To Changes in Array Antennas Parameters

Authors: Julian Imami

Acceleration Response Characteristics of Body-Conducted Sound Sensors; Comparison with Several Acceleration Sensors

Authors: Takeshi Jouyashiki, Chikamune Wada

Histological Evaluation of Osseointegration of 3D Printed Ti6Al4V Screws

Authors: Kang-Sik Lee, Hyewon Kim, Eunjeong Cho, Hae-Jin Lee, Byoung-Soo Lee

Somatosensory Electrical Stimulator for Assessment of Current Perception Threshold at Different Frequencies

Authors: William Azevedo de Paula, Laisla Vieira de Almeida, Emerson Fachin-Martins, Renato Zanetti, Henrique Resende Martins

Osteoinductive Properties of PLGA/HA/ β -TCP Composite Polymer Scaffolds

Authors: Svetlana Aleksandrova, Liubov Pokrovskaya, Natalia Mikhailova, Sergey Nadezhdin, Stanislav Vasilyev, Renata Savchenko, Pavel Kopelev, Miralda Blinova

Evaluation of a Low-Cost Insulin Infusion Pump Prototype: In Vitro Preliminary Results

Authors: Fernanda Tenório, Luiz Martins, Tatiana Cunha

Smart Modular Dispenser for Medication Administration

Authors: Ana Rita Sousa, Pedro Dinis Caspar

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Poster Session

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Smart Modular Dispenser for Medication Administration

Authors: Ana Rita Sousa, Pedro Dinis Gaspar

Measurement of Atomic Density with a Photon Counting X-ray CT

Authors: Koichi Ogawa, Ryo Ito

A Mobile 3D Serious Game that Operates like a Pure-Tone Air Conduction Hearing Test

Authors: Paul Hatzigiannakoglou, Areti Okalidou, VC. Georgopoulos

SPONSORS

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JOURNAL PUBLICATION

Selected articles from the congress will be published in one of the following journal after a secondary review process:

JBEB - Journal of Biomedical Engineering and Biosciences

JMIDS - Journal of Machine Intelligence and Data Science

The publication fee will be waived for papers that win the Best Paper Award. Other attendees will receive a 25% discount towards the publication fee of the journal.

These journals have adopted to the open-access model, meaning all free access to the journals' articles and content with no need for subscription. This ensures larger audience and therefore higher citations.

Users are allowed to read, download, copy, distribute, print, search, or link to the full texts of the articles in this journal without asking prior permission from the publisher or the author. This is in accordance with the BOAI definition of open access.

All published papers for JBEB and JMIDS will be submitted to Google Scholar. Additionally, they will be permanently archived in Portico (one of the largest community-supported digital archives in the world) and will be assigned unique DOIs. These journals are approved by the Committee on Publication Ethics (COPE).

ETHICS & MALPRACTICE

At International ASET Inc., we take matters that relate to ethics in publishing very seriously. We believe that the peer-review publication process is a vital building block of academia, and its integrity must be maintained at all costs, which is why every article will be peer-reviewed by several experts in the field. Under peer-review, experts in the related fields are required to provide opinions and comments on the improvements of the submissions.

We are pleased to announce that Avestia Publishing (a publisher of International ASET Inc.) has been approved by the [Committee on Publication Ethics \(COPE\)](#). We are proud of our efforts towards abiding by the guidelines of ethics, integrity, and high standards in publishing.

Following are the ethics guidelines set by the organizers for the authors and the reviewers of the conference:

Scientific Committees

Scientific committees consisting of experts in the fields are established. The committees oversee the peer-review and publication process. To see the scientific committee members, please follow the link: [Scientific Committee](#)

Equality

and

Decisions

One or more reviewer, scientific committee member, or chair, (internal or external), are responsible for evaluating the relevance of the submitted manuscripts to the proceedings, technical and scientific merit, originally, and impact. These evaluations are to be carried out regardless of ethnicity, religion, gender, sexual orientation, political beliefs, and institutions. Successive to peer-review, the Chair has full authority and is solely responsible for the published content and the process thereof.

Confidentiality

Scientific committee member(s) and publishing staff may not disclose manuscripts or their content, directly or indirectly, to anyone other than individuals invited to review the manuscript (whether they accept or not), other reviewers of the same publications, and publishing staff.

Conflicts

of

Interest

Scientific committee member(s) and publishing staff may not utilize the contents of submitted manuscripts whether accepted or rejected, directly or indirectly for their own research purposes without prior written consent by the authors.

ETHICS & MALPRACTICE

Reviewers

Contribution to Decisions

In order for final decisions to be made regarding acceptance or rejection of papers, we rely on peer-review. Peer-review is the process of experts in the field reading, understanding, and objectively commenting on submitted papers. Through peer-review, scholars give back to the academic and scientific community by helping the chair(s) make decisions regarding manuscripts.

Promptness

Reviewers should promptly notify the chair(s) if they are unable or unqualified to carry out their reviewing duties. Reviewers should do their best to provide the reviews to the chair(s) as promptly as possible, and within the designated time-frame.

Acknowledgment of Source

The reviewer should notify the chair(s) if they find any similarities in the paper being reviewed and any other work that has been published previously.

Confidentiality

Reviewers must not share the contents of the manuscripts they receive for review, regardless of their decision to review or contents of the review, directly or indirectly, with anyone other than the person who has assigned the review.

Fairness

Reviewers should review manuscripts fairly and objectively, with supporting evidence or arguments, regardless of personal feelings or biases.

Conflicts of Interest:

Invited reviewers should immediately inform the chair(s) in case of a conflict of interest based on competitive, collaborative, personal, family, and other relationships with the authors or people involved in the work.

ETHICS & MALPRACTICE

Authors

Reporting Standards

The paper being submitted for the proceedings should be based on clear objective, discussion, and references. The findings, data, and the arguments being used in the paper should be accurate. It is author's responsibility to guarantee the authenticity of the data in the paper.

Authorship

Only persons who have significantly contributed to the work and the manuscript can be named authors on a paper. These contributions include the idea/concept, design, experiments, evaluation, analysis, drafting or revision of the manuscript, and others. Authors must all have agreed to be named as such and for the manuscript to be submitted. Anyone who has contributed based on the above, but the level of contribution is not significant, may appear in the acknowledgement section of the manuscript.

Acknowledgement of Source

Acknowledgement to other's work being used in the paper must be given at all times. Authors of the paper should give comprehensive credit where it is necessary, by citing the work, they use for supporting their own research.

Accuracy, Originality, and Plagiarism

Authors should describe their work and the results of their work accurately and in full. The level of provided accuracy and detail should be such that a reader can replicate the work independently. Inaccurate, incomplete, fraudulent, and misleading statements are considered unacceptable and unethical. Direct or indirect use of other people's work is not allowed, unless properly cited. Previous works that have influenced the current work should also be cited. Presenting someone else's work as one's own is strictly prohibited and is considered plagiarism.

Data and Material

Authors are encouraged to share their data, software, or other sharable material online, provided copyright and ownership laws surrounding that particular project permit. Authors may also be asked to share such material with the chair(s), and/or reviewers, and must be willing to do so if asked.

ETHICS & MALPRACTICE

Dual Submissions

Submitting a manuscript to more than one venue (conference, journal, etc) simultaneously is not allowed. Presenting previously published work to be considered as a new submission, without a significant new interpretation or analysis, is prohibited.

Conflicts of Interest

Authors must notify the chair(s) at the time of submission, if any factor outside the scope of the research has influenced any step of the work and manuscript writing. Examples of such factors include but are not limited to funding, grants, advisory and consultancy, stock ownership, current or past employment, and memberships, among others. All funding sources should be disclosed in the manuscript.

Animal and Human Subjects

Works involving human and/or animal subjects must ensure that the work has abided by institutional guidelines, and pre-approved by required bodies. Moreover, consent must be acquired from participants, and privacy of subjects must be ensured. All of the above must be specified with clear statements in the manuscript.

Hazardous Material

It should clearly be identified in the manuscripts if the works have involved hazardous chemicals and material, or devices that can be harmful.

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If an author identifies a major error in a published paper, he/she must immediately inform the publisher. Regardless of whether a significant error is reported by the authors of the work or other readers, authors are obligated to take the necessary steps to correct the issue. It is decided on a case-by-case basis whether an erratum will be submitted to notify future readers of the error and correction, or whether the paper will be retracted. Unethical/plagiarism issues mostly result in a retraction, while unintended mistakes will mostly result in the publication of an erratum.

ETHICS & MALPRACTICE

Publisher

Errata and Retractions

The publisher takes the necessary steps to prevent mistakes, academic and scientific misconduct, and unethical behavior, both intended and unintended. When mistakes are reported, the publisher works with chair(s) and authors to publish an erratum clarifying the issue. In cases where the mistakes are severe and significant, the paper might be retracted. If unethical behavior, plagiarism, academic and scientific misconduct, or other such activities are proven to have taken place by an author or authors, the publisher will retract the paper.

Content and Archiving

The publisher preserves and stores all content digitally on their own servers, as well as through partnering with Portico (Digital Preservation and Electronic Archiving Service).

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The proceedings and related papers are all based on the open-access model, which means interested individuals and institutions can access the material for free.

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Ownership and Management:

This conference-proceedings is managed and operated by the International ASET (International Academy of Science, Engineering, and Technology) and Avestia Publishing (the publishing arm of ASET).

Schedule:

This conference proceeding accompanies the conference, meaning a new proceedings will be published every year for the corresponding annual conference of this series.

CONTACT US

The 5th World Congress on Electrical Engineering and Computer Systems and Science (EECSS'19) consist of 4 conferences. You can contact each conference using the information below.

CIST

4th International Conference on Computer and Information Science and Technology (CIST'19)

Email: info@cistseries.com |

Website: <https://2019.cistseries.com/>

MHCI

6th International Conference on Multimedia and Human-Computer Interaction (MHCI'19)

Email: info@mhciconference.com |

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