



**PROCEEDINGS OF THE 7TH
INTERNATIONAL CONFERENCE ON CIVIL,
STRUCTURAL AND TRANSPORTATION
ENGINEERING (ICCSTE'22)**

June 05, 2022 – June 07, 2022 | Niagara Falls, Canada

**© COPYRIGHT 2022, INTERNATIONAL ASET INC. – ALL
RIGHTS RESERVED.**

ISBN: 978-1-990800-04-7 | ISSN: 2369-3002

TABLE OF CONTENTS

Welcome Message from the Conference Chair.....	3
About ICCSTE'22.....	4
Scientific Committee.....	5
Keynote Speakers.....	6
List of Papers	9
Sponsors	17
Journal Special Issue.....	18
ICCSTE'23.....	19
Ethics & Malpractice	20
Contact Us	25

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 7th International Conference on Civil, Structural and Transportation Engineering (ICCSTE'22).

ICCSTE'22 is aimed to become one of the leading international annual conferences in the fields related to civil, structural, and transportation engineering. This conference 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.

ICCSTE is a series of international conferences held annually. The 7th International Conference on Civil, Structural and Transportation Engineering (ICCSTE'22) is going to be held in a hybrid format, i.e. in person as well as online.

In the seventh meeting of this conference, four keynote speakers will share their expertise with the aim of exposing participants to a wide spectrum of applications, and to foster crosspollination of ideas and develop new research interests. In addition, approximately 47 papers will be presented from professors, students, and researchers across the world.

We thank you for your participation and contribution to the 7th International Conference of Civil, Structural and Transportation Engineering (ICCSTE'22). We wish you a very successful and enjoyable experience.

Dr. Khaled Sennah
Conference Chair and Proceedings Editor
ICCSTE'22

ABOUT ICCSTE'22

The 7th International Conference on Civil, Structural and Transportation Engineering (ICCSTE'22) aims to become the leading annual conference in fields related to civil, structural and transportation engineering. The goal of ICCSTE'22 is to gather scholars from all over the world to present advances in the fields of civil, structural and transportation engineering and to foster an environment conducive to exchanging ideas and information. This conference will also provide an ideal environment to develop new collaborations and meet experts on the fundamentals, applications, and products of the mentioned fields.

ICCSTE is a series of international conferences held annually. These conferences focus on all aspects of civil, structural and transportation engineering. After successfully holding ICCSTE'15 to ICCSTE'21 in Canada, ICCSTE'22 is hosted in Niagara Falls - Canada as well this year. ICCSTE'22 is going to be held in a hybrid format, i.e. in person as well as online.

ICCSTE is an acronym for **I**nternational **C**onference on **C**ivil, **S**tructural and **T**ransportation **E**ngineering.

- All papers were peer-reviewed
- The conference proceedings are published under an ISSN and ISBN number
- Each paper is assigned a unique DOI number by [Crossref](#)
- The conference proceedings are indexed by [Scopus](#) and [Google Scholar](#)
- The proceedings are permanently archived in [Portico](#) (one of the largest community-supported digital archives in the world)

 Google Scholar

 Crossref  Scopus

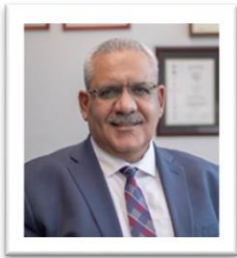

PORTICO

[Return to Top](#)

SCIENTIFIC COMMITTEE

We would like to thank the following for accepting to act as a member of the Scientific Committee for the ICCSTE'22 Congress:

Scientific Committee Chairs



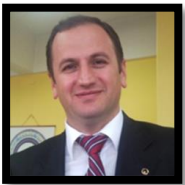
Dr. Khaled Sennah
Ryerson University, Canada
Conference Chair

Scientific Committee Members

- **Dr. Francis Au**, University of Hong Kong, Hong Kong
- **Dr. Bruno Briseghella**, Fuzhou University, China
- **Dr. João Paulo Correia Rodrigues**, University of Coimbra, Portugal
- **Dr. Said Easa**, Ryerson University, Canada
- **Dr. Massimo Fragiaco**, University of L'Aquila, Italy
- **Dr. Johann Facciorusso**, University of Florence, Italy
- **Dr. Rajeshwar Goodary**, Université des Mascareignes, Mauritius
- **Dr. Jasmin Jelovica**, University of British Columbia, Canada
- **Dr. Nizar Lajnef**, Michigan State University, USA
- **Dr. Hosein Naderpour**, Semnan University, Iran
- **Dr. Elżbieta Macioszek**, Silesian University of Technology, Poland
- **Dr. Iraj H.P. Mamaghani**, University of North Dakota, USA
- **Dr. Ayman M. OKEIL**, Louisiana State University, USA
- **Dr. Luigi Di Sarno**, University of Liverpool, UK
- **Dr. Mohamed Shahin**, Curtin University, Australia
- **Dr. Yongze Song**, Curtin University, Australia
- **Dr. Maged A. Youssef**, University of Western Ontario, Canada

KEYNOTE SPEAKERS

The keynote information for the 7th International Conference on Civil, Structural and Transportation Engineering (ICASTE'22) is as follows:



[Dr. Alemdar Bayraktar](#)
Karadeniz Technical
University, Turkey



[Dr. Hany El Naggar](#)
Dalhousie University,
Canada

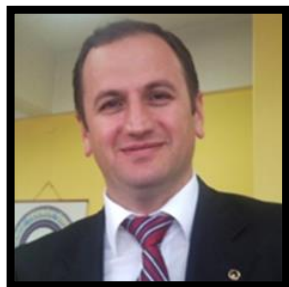


[Dr. Hesham El Naggar](#)
Western University, Canada



[Dr. Liping Fu](#)
Western University, Canada

ICCSTE'22 KEYNOTE SPEAKERS



Titles: In-Service Structural Condition Assessment of Cable-Stayed Bridges Using Strain Monitoring Data under Environmental Effects

Dr. Alemdar Bayraktar, Karadeniz Technical University, Turkey

[View Abstract](#)

[Return to Top](#)

Dr. Bayraktar received his Ph.D. in Structural Engineering from Karadeniz Technical University in Turkey in 1995 and has been serving as a professor since 2003. His research interests are Structural Engineering, Earthquake Engineering, and Structural Health Monitoring. He has 172 international journal papers and over 300 other publications, national and international research and application projects, journal editorial board and conference scientific committee members, and invited speakers. He has successfully supervised many MSc and Ph.D. theses. Dr. Bayraktar was selected as the most productive scientist between 2007-2011 in Karadeniz Technical University by Elsevier. He was awarded the Science Award in 2012 by the Association of Dam Safety in Turkey, Paper Award in 2009 by Roads Turkish National Committee, and Faculty High-Performance Awards in 2009, 2010, 2011, 2012, 2014.



Titles: Soil-Structure Interaction Modelling of Integral Abutment Bridges

Dr. Hany El Naggat, Dalhousie University, Canada

[Return to Top](#)

Dr. Hany El Naggat, Ph.D., P.Eng., is a Professor of GeoStructural/Geotechnical Engineering at Dalhousie University with more than 25 years of experience in civil construction, geotechnical and structural engineering and research in Canada and overseas. He has participated in several geotechnical and structural investigations and is experienced in the analysis and design of foundations and soil-structure interaction of buried infrastructure. Dr. El Naggat and his research team have investigated the SSI effects around buried infrastructure and explored innovative uses of tire derived aggregate (TDA) as a buffer zone to create stress arching and reduce demand on rigid pipes and culverts. They also proposed an earth pressure reduction system using a geogrid reinforced platform bridging system to reduce stresses on buried utilities and studied the effects of high-rise buildings on pre-existing tunnels. Likewise, they conducted several slope stability assessments for high embankments and dams and developed a new sand-coated glass fibre reinforced polymer (GFRP) pile with an enhanced friction performance.

ICCSTE'22 KEYNOTE SPEAKERS



Titles: Numerical Investigation of the Imposed Earth Pressures on Three-Sided Reinforced Concrete Culverts Supported on Non-Yielding Foundation Soil
Dr. Hesham El Naggar, Western University, Canada

[Return to Top](#)

Dr. El Naggar is a Distinguished University Professor of Western University, Canada. He is Editor-In-Chief of Soil Dynamics and Earthquake Engineering and past Associate Editor of the Canadian Geotechnical Journal. He published more than 500 technical papers/book chapters on foundations, soil-structure interaction and geotechnical earthquake engineering; and consulted on major projects worldwide. Dr. El Naggar attracted more than \$20M of research funding and graduated 100 PhD and MEng students. He received numerous awards including: Geosynthetics, Stermac, Meyerhof, Canadian Geotechnical Colloquium Speaker, Western University Distinguished Professorship, Faculty Scholar Award, Outstanding Teaching, and Research Excellence Awards as well as the 2015 Ontario Professional Engineers Medal for Engineering Research & Development



Titles: Advancing Transportation Safety and Sustainability Using Big Data and Machine Learning
Dr. Liping Fu, University of Waterloo, Canada

[View Abstract](#)

[Return to Top](#)

Dr. Liping Fu is a Professor in the Department of Civil and Environmental Engineering and Director of the Innovative Transportation System Solutions (iTSS) Lab at the University of Waterloo. He is a Fellow of Canadian Society for Civil Engineering and the past Chair of Transportation of Division of CSCE. Dr. Fu received Transportation Association of Canada (TAC)'s Academic Merit Award (2011) sponsored by Transport Canada for his long-term contribution to the advancement of the academic field and to the development of tomorrow's transportation leaders. He was also the recipient of Engineering Research Excellence Award (2021) and Excellence in Graduate Supervision (2017). Dr. Fu's research interest specifically focuses on evaluation and optimisation of large, complex traffic and transportation service systems where uncertainty and dynamics play a major role, and on the development of decision support tools for use in managing these systems.

LIST OF PAPERS

Earthquake and Structural Engineering

[Experimental Study Of The Effect Of Tensile Strain On The Cracking Of Ultra Highly-Reinforced R/C Components](#)

Authors: Theodoros Chrysanidis, Denise-Penelope N. Kontoni

[Composite Cold-Formed Steel Rubberised Concrete Building Framed Systems](#)

Authors: Dieudonne Iraguha, Derya Deniz, Alireza Bagheri Sabbagh, Shahabeddin Torabian, Naeimeh Jafarifar

[Detecting Cracks in Isotropic Plates Using Contact Acoustic Nonlinearity](#)

Authors: Reza Soleimanpour, Sayed Mohamad Soleimani

[Structure Health Monitoring Of Concrete Structures Using Magnetic Flux Leakage](#)

Authors: Yihan Zhang, Qing Wang, Songling Huang

[Long Span Steel Structures: Structural Typology Optimization and Enhancement-The Conceptual Design of an Aircraft Hangar](#)

Authors: Mohammad Khalil

[Evaluation of Pre-tensioned Prestressed Concrete Beam Behavior by Finite Element Analysis Using ATENA 3D](#)

Authors: Zaher Alkurdi

[Semi-Active Control of Building Frames subjected to Earthquakes using Smart Tendons composed of Shape Memory Alloys](#)

Authors: Alok Madan, Vimal K. Gupta, Arvind K. Jain

[Non-Linear Pushover Analysis of Tall Buildings with Post-Tensioned Slabs and Rigid Core Designed Under Peruvian Codes](#)

Authors: Cristhian Cruces , Franco Lescano, Guillermo Huaco

LIST OF PAPERS

Earthquake and Structural Engineering

[Impedance of Vertically Oscillating Circular Rigid Grillage Foundation on Half-Space](#)

Authors: Zeyad Elsherbiny, Abdelgadir Abbas, M. Hesham El Naggar

[Buckling Analysis of Cylindrical Steel Fuel Storage Tanks under Static Forces](#)

Authors: FNU Tabish, Iraj H.P. Mamaghani

Green Building Materials and Technology

[Effect of PET Plastic Cut Pieces' Aspect Ratio on Fresh and Mechanical Properties of Cement Mortar](#)

Authors: Sifatullah Bahij, Safiullah Omary, Francoise Feugeas, Amanullah Faqiri

[Influence of Blend Ratio on Compressive Strength of Soda Ash Activated Fly Ash and Copper Slag Pastes](#)

Authors: I.O. Erunkulu, G. Malumbela, and O.P. Oladijo

[The Natural Flow of Stress in Shell Structures](#)

Authors: Mitchell Gohnert

[Effect of Rock Dust on the Geotechnical Properties of Dark Magnesium Clay](#)

Authors: Goodary Rajeshwar, Aujayeb Anoop, Sudoollah Aqil, Sowambur Harshini, Yeshvin Goodary

[Data Driven Appraisal for One-way and Two-way Shear Design of Lightweight Concrete and FRP-reinforced Concrete Elements](#)

Authors: Ahmed Farouk Deifalla

[Bulk Utilisation of Industrial Byproducts in Granular Layers of Flexible Pavements](#)

Authors: M. D. Bakare, R. R. Pai, S. Patel, J. T. Shahu

LIST OF PAPERS

Nanotechnology and Civil Engineering

[Pull-out of Basalt Fibre Pellets from Cementitious Composites](#)

Authors: R. Elhadary and M. T. Bassuoni

[Bond Strength of Nano-Modified Concrete under Freezing Temperature using Hybrid Protection](#)

Authors: A. M. Yasien, M. T. Bassuoni

[Nano-Modified Cementitious Composites Reinforced with Basalt Fiber Pellets for Repair/Overlay applications](#)

Authors: Ahmed Azzam, Mohamed T. Bassuoni, Ahmed Shalaby

[Enhancing the Durability Properties of Soft Clay Using Nano-Modified Cementitious Additives](#)

Authors: A. Eissa, M. T. Bassuoni, A. Ghazy, and M. Alfaro

Building Materials

[Comparison Of Mechanical Properties Of Clayey Soil Stabilized With GGBS And Flyash Using Geopolymerisation Process](#)

Authors: Shashi Kant Sharma, Neeraj Kumar

[Effects of Varying Roof Slope and Wind Direction on Single and Multi-Span Mono-Slope Canopy Roof](#)

Authors: Neelam Rani, Ajay Pratap Chacón

[Influence of Coal Bottom Ash and Copper Slag on Permeation of Fly Ash Based Geopolymer Concrete](#)

Authors: Navdeep Singh, Nitin Ankur, MD Marghoobul Haque, Akshit Gupta

LIST OF PAPERS

Building Materials

[Behavior and Design of Circular Concrete-Filled Double Steel Tubular Slender Columns under Axial Loading](#)

Authors: Junchang Ci, Mizan Ahmed, Qing Quan Liang, Shicai Chen, Wensu Chen, Khaled Sennah, Ahmed Hamoda

[Numerical Analysis Of Circular Concrete-Filled Stainless Steel Tubular Short Columns Under Axial Loading](#)

Authors: Mizan Ahmed, Scott Gohery, Khaled Sennah, Wensu Chen

[Experimental Study on the Thermal Characterization of PTF Concrete](#)

Authors: Mohammad Hany Yassin, Zainab Al Hjjaj , Rana Ezzedin. Lakys

[Preliminary Study on the Effect of Adding Palm Tree Fronds to Concrete](#)

Authors: Rana Ezzdine Lakys, Mohammad Hany Yassin, Zein-Eddine Merouani

[Reliability-Based Evaluation of Two-way Shear Design Reinforced Concrete Slabs with FRP Reinforcements](#)

Authors: Ahmed Farouk Deifalla, Niveen Badra

[Dynamics Thermal Effect on Thermal Conductivity of EPS Insulation by Using Computational Modeling of Heat Transport](#)

Authors: Maatouk Khoukhi

LIST OF PAPERS

Destruction Engineering and Civil Engineering

[Assessing the Use of By-Product Foundry Sand in Asphalt Mixtures](#)

Authors: Dina Kuttah

[Parametric Investigation on the Performance of RC Slabs Subjected to Accidental Impact Loadings](#)

Authors: Shamsoon Fareed, Asad-ur-Rehman Khan

[Experimental Study of the Evolution of the Breach and the Discharge through the Breach Resulting from Piping due to Seepage at the Earth-Fill Dam Bottom](#)

Authors: Mehmet Sukru Guney, Emre Dumlu, Merve Okan1, Asli Bor, Pelin Aklik, Gökmen Tayfur

[Laying Rigid Large Diameter Buried Pipelines: A Case Study Of Different Approaches](#)

Authors: Pranjal Mandhaniya, M.D. Bakare, and J.T. Shahu

Water and Wastewater Management and Treatment

[Integral Regulation of Sedimentational Processes in Technoparks Waste Waters at Global Warming Conditions](#)

Authors: Nazarenko Oleksiy; Nazarenko Iryna; Sunichuk Sergiy; Ischenko Olena; Kulik Mikhailo

LIST OF PAPERS

Concrete Technology

[Assessing the Performance of RAP Based Precast Concrete Paver Block Mixes Exposed To Continuous and Intermittent Water Curing Regimes](#)

Authors: Sumit Nandi, G.D.R.N. Ransinchung

[Efficacy of Polymeric Coatings to Protect Concrete from Physical Salt Attack](#)

Authors: M. A. Abuzeid, M. R. Sakr, M. T. Bassuoni

[Effect of Corrosion and Transverse Reinforcement on Flexural Response of 3D Finite Element Reinforced Concrete Beams](#)

Authors: Safdar Naveed Amini , Aditya Singh Rajput

[Shear Strengthening of Concrete Deep Beams with Geopolymer-Based Fabric-Reinforced Matrix Composites](#)

Authors: Nour Khir Allah, Tamer El-Maaddawy, Hilal El-Hassan

[Development of High Strength Geopolymer Concrete Using Silica Fume-Based Activating Solution](#)

Authors: Samir H. Alameri, Mohd Saleh Jaafar

LIST OF PAPERS

Bridge and Road Engineering

[Detuning Effect of Multiple Tuned Mass Damper System in Vibration Control of Rail Bridge Girder](#)

Authors: Shubhang Jain, Sanjukta Chakraborty

[Experimental Investigations of Axially Loaded Square Concrete-filled Double Steel Tubular Slender Columns with inner Circular Tube](#)

Authors: Shicai Chen, Mizan Ahmed, Junchang Ci, Wensu Chen, Khaled Sennah

[CFRP Sheets for Retrofitting Prestressed Concrete Bridge Girders](#)

Authors: Herish Hussein, Hardi Hussein

[Analysis of displacement characteristics for a road in a fill slope due to execution twin tunnels: A Case Study](#)

Authors: Xinrong Liu, Lojain Suliman, Xiaohan Zhou, Ahmed abd elmageed

[Inelastic Behavior of Thin-walled Circular Steel Tubular Columns Under Pushover and Cyclic Loading](#)

Authors: Njiru Mwaura, Iraj H.P. Mamaghani

[A Method for Track Buckling Prevention of Continuously Welded Rails](#)

Authors: Iraj H.P. Mamaghani, Njiru Mwaura, Catherine Cruz, Anthony Kaiser, Matthew McNeil, Lucas Morrison

[A Stone Bridge Assessed by Current Standards](#)

Authors: Petr Rericha, Petr Fajman, Lucy J. Davis

LIST OF PAPERS

Hydraulic Engineering

[Effect of River Improvement on Flow and Sedimentation in Shirakawa River, Japan](#)

Authors: Ryuichi Hirakawa, Terunori Ohmoto, Xian Chen

[A Fundamental Study on the Interaction between Driftwood and Free Surface Flow in an Open Chann](#)

Authors: Terunori Ohmoto, Hirotaka Une

Poster Session

[A Study on Augmented Reality Remote Maintenance Support System for Ships and Offshore Structures](#)

Authors: Young-Soo Han, Kyung Ho Lee, Yang Ouk Kim, Young Su Kim, Hyun Bin Yeo

SPONSORS

International ASET Inc. would like to thank the following sponsors for their support of ICCSTE'22:



[Return to Top](#)

JOURNAL PUBLICATION

Selected articles from the conference will be published in the [International Journal of Civil Infrastructure \(IJCI\)](#) after a secondary review process.

This journal has adopted to the open-access model, meaning all free access to the journal's 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 of IJCI 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.

This journal has been approved by the Committee on Publication Ethics (COPE). Please visit the following websites for the respected journals:
IJCI: <https://ijci.avestia.com>

ICCSTE'23

The 8th International Conference on Civil, Structural and Transportation Engineering (ICCSTE'23) will be held June 04, 2023 - June 06, 2023 | Canada.



For inquiries and to obtain further information on the congress,
please visit the [website](http://www.2023.iccste.com)

You can also email info@iccste.com or call us at: +1-613-834-9999

[Return to Top](#)

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.

Reporting of Mistakes, Errata, and Retractions

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).

Copyright and Access:

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.

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

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

For inquiries and to obtain further information on the conferences, please visit our [website](#)
You can also email info@iccste.com or call us at: +1-613-834-9999

[Return to Top](#)