

# THE 10<sup>th</sup> AIC ON SCIENCE AND ENGINEERING 2020

Virtual Conference

October  
15 - 16  
2020

Banda Aceh, Indonesia

**FINAL CALL  
FOR  
PAPERS**



Final Full Paper Submission  
Deadline **September 1, 2020**

It is an honor to welcome you to the 10th AIC 2020 International Conference. The conference will be held on October 15-16, 2020, in Banda Aceh, Aceh Province, Indonesia. This conference is hosted by Syiah Kuala University (recognizably abbreviated as UNSYIAH), the largest and the oldest national university in Aceh.



The 10th AIC on Sciences and Engineering 2020 will provide an excellent forum for sharing knowledge and research findings among academicians, professionals, and governments. Topics of interests cover all theoretical and practical aspects consists of (1) Geology, Mining, Petroleum, Mechanical and Industrial Engineering, (2) Civil Engineering, Architecture, and Urban Planning, (3) Chemical, Physical Sciences and Engineering, (4) Electrical, Computer Engineering, Information System, Mathematical Sciences. The primary goal of the 10th AIC on Sciences and Engineering 2020 is organized to promote multidisciplinary understanding of the latest research and innovations through discussion, exchange, and sharing among researchers, practitioners, academicians, and students.

[tinyurl.com/aicse2020](http://tinyurl.com/aicse2020)

Topics of interest include, but are not limited to:

**Track 1: Track Geology, Mining, Petroleum, Mechanical and Industrial Engineering**

- Geology and Geo-dynamic Evolution
- Mineral deposits and ore forming processes
- Mineral resources' exploration and evaluation
- Hydrogeology and Hydro geochemistry
- Geothermal and other energy resources
- Geohazards and Geo-mechanics
- Mining technology, instrumentation, and mineral economics
- Mining at depth and Mass Mining
- Small Scale Mining and Gemstones Mining
- Computer Integrated Manufacturing
- Design and Manufacturing Engineering
- Industrial and Systems Engineering
- Materials Science and Engineering
- Computational Mechanics and Numerical Analysis
- Biomaterials and Biomechanics
- Friction, Wear and Lubrication
- Noise, Vibration and Harshness
- Mechatronics, Robotics, Sensor and Automation

**Track 2: Civil Engineering, Architecture, and Urban Planning**

- Transportation Planning and Policy
- Highway and Traffic Engineering
- Hydrology, Coastal and Harbor Engineering
- Construction Management
- Geotechnical Engineering
- Structural Engineering
- Surveying and Geo-Spatial Engineering
- Modern Construction Materials
- Sustainable Development & Construction
- Disaster Mitigation & Management
- Earthquake Resistant Design Practices
- Environmental Engineering & Management
- Urban & Regional Planning
- Design, Modelling, and Simulation
- Design Planning, and Eco Housing
- Integrated Design Studies
- Interior Design
- Landscape
- Cultural Heritage
- Environmental Planning and Management
- Community Planning and Resilience
- Urban, Rural and Regional Planning

**Track 3: Chemical, Physical Sciences and Engineering**

- Thermodynamic
- Catalysis & reaction engineering
- Particulate systems
- Interfacial and Colloidal Phenomena
- Transport phenomena in porous/granular media
- Distillation, absorption, and extraction
- Ionic liquids/electrolyte solutions
- Biopharmaceuticals
- Environmental Chemistry
- Accelerator Physics
- Agrophysics
- Applied Physics
- Astrometry, Astronomy and Astrophysics
- Atomic and Molecular Astrophysics
- Atomic Physics, Molecular, And Optical Physics
- Surface Physics
- Thermodynamics
- Vehicle Dynamics

**Track 4: Electrical, Computer Engineering, Information System, Mathematical Sciences**

- Power System Analysis
- Power Electronics
- Renewable Energy
- VLSI, SoC, and Microelectronic Design
- Electronic Instrumentations
- Automation and Robotics
- Communication and Computer Networks
- Embedded Systems
- Computer Networks and Internet Security
- algorithms and Data Structures
- Computer Vision and Image Analysis
- Software Engineering
- Information Retrieval
- Linear & Multilinear Algebra & Matrix Theory
- Real & Complex Analysis
- Geometry & Topology
- Numerical Analysis & Scientific Computing
- Statistics, Probability Theory & Stochastic Processes
- Mathematical Programming & Game Theory
- Computational Science
- Human Computer Interaction

**KEYNOTE  
SPEAKER**



**Prof. Dr. Wouter Dewulf**  
University of Antwerp and C-MAT  
(Belgium)

**INVITED  
SPEAKER**



**Prof. Hamzah Fansuri, Ph.D**  
Institut Teknologi Sepuluh  
Nopember (ITS)



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THROUGH INNOVATION AND  
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**IMPORTANT DATES**

Event	Date
Full paper (Plagiarism-checked/25%) submission deadline	September 1, 2020
Early Bird Deadline	September 2, 2020
Accepted Notification	September 15, 2020
Registration & Payment Deadline	September 19, 2020
Final manuscript Camera-ready (proofread)	September 29, 2020
Conference Date	October 15-16, 2020

Registration & Publication Fee	Category	Early Bird (Full Amount)	Normal (Full Amount)
<b>International Participant (in USD)</b>	Participant (Presenter)	200	250
	Student (Presenter)	150	200
	Participant (Non Presenter)	20	20
<b>Indonesian Participants (in IDR)</b>	Student (Non Presenter)	10	10
	Participant (Presenter)	2,000,000	2,500,000
	Student (Presenter)	1,500,000	2,000,000
<b>Indonesian Participants (in IDR)</b>	Participant (Non Presenter)	200,000	200,000
	Student (Non Presenter)	100,000	100,000

**REMARKS:** If participant is not willing to publish his/her paper in the conference proceeding indexed by Scopus, registration fee will be USD 40 (for International/IMT-GT participants); USD 20 (For international/IMT-GT STUDENT Participants); IDR 400,000 (For Indonesian Participants); or IDR 200,000 (For Indonesian STUDENT Participants)

**PAYMENTS:** Bank Account name (please be exact)/Beneficiary : Hartati Oktarina | Bank Account # : 7139954992 | Bank Name: Bank Mandiri Syariah Bank Address: KCP Darussalam | City: Banda Aceh | State: ACEH | Country : INDONESIA | SWIFT CODE/BIC: BSMDDJJA

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