

# International Conference on Engineering, Technology and Management (ICETM - May' 2022)

12 - 14, May' 2022, Banda Aceh, Indonesia

Two Best paper awards  
are given in each track

**ICEEIT:**

Electrical, Electronics and IT

**ICPMC:**

Production, Mechanical and  
Civil Engineering

**ICMES:**

Management, Education and  
Social Sciences

Committee

Venue

Final Program

Downloads

Accommodation

## ■ Call for Papers

The International Conference on Engineering, Technology and Management, ICETM - May' 2022 is being organized by WAIRCO. The conference will provide a platform to the Researchers, Engineers, Managers, Academicians and Industry Executives to share their ideas and views on the advances of Electrical, Electronics, Communication, Information Technology, Production, Mechanical, Civil, Management, Education and Social Sciences Research areas. The ICETM - May' 2022 is organizing the International Academic Conference in the below Multi Disciplines. It is important for the students, academic staffs and researchers to keep improving the technology to be up-to-date and suitable for the required applications. The research findings must therefore be distributed among the researchers and to the respective communities.

1. International Conference on Electrical, Electronics Engineering and Information Technology (ICEEIT)
2. International Conference on Production, Mechanical and Civil Engineering (ICPMC)
3. International Conference on Management, Education and Social Sciences (ICMES)

## ➤ **ICEEIT: International Conference on Electrical, Electronics Engineering and Computing & Information Technology**

### ■ Areas of Interest under Electrical Engineering

- Applications of FACTS devices
- Artificial Intelligence and applications to Electrical Engineering
- Control Engineering
- Electric Power System and Automation
- Electrical Distribution Systems
- Electrical Machines and Analysis
- Energy and Power Systems
- Energy Engineering and Management
- HVDC & HVAC Transmission
- Innovative Techniques in Fusion Energy
- Innovative Techniques in Nuclear Energy
- Instrumentation and Control
- Magnetic Properties
- Non Conventional Energy Sources
- Power Electronics and Power Drives
- Power Quality
- Power System Operation & Control
- Any other topic related to Electrical Engineering

### ■ Areas of Interest under Electronics and Communication Engineering

- Analog circuits and digital circuits
- Antenna and wave propagation
- Applications of FACTS devices
- Artificial Intelligence and application to Electrical Engineering
- Communication Theory
- Control Engineering
- Electric Power System and Automation
- Electrical Machines and Analysis
- Embedded systems and Microelectronics

- Energy and Power Systems
- Energy Engineering and Management
- Filters and data conversion circuits
- HVDC Transmission & HVAC Transmission
- Innovative Techniques in Fusion Energy
- Instrumentation and Control
- Magnetic Properties
- MEMS and Nanotechnology
- Microwave theory and techniques
- Mixed signal circuits
- Modulation, coding, and channel analysis
- Nanomaterial Engineering
- Non Conventional Energy Sources
- Optical communications
- Photonic and optoelectronic circuits
- Power Electronics and Power Drives
- Power Quality
- Power System Operation & Control
- RF and wireless circuits
- Sensor networks
- Signal processing
- Telecommunications engineering
- VLSI design
- Wireless/Mobile communication
- Other topics related to Electronics and Communication Engineering

## ■ Areas of Interest under Computing & Information Technology

### ■ Computing / Mathematics / Statistics

- Algebraic Topology
- Advanced Calculus
- Advanced Numerical Methods
- Bayesian
- Biostatistics and Bioinformatics
- Calculus and Trigonometry
- Complex Analysis
- Computational Fluid Dynamics
- Computational Statistics
- Control Theory
- Design Experiment
- Differential Topology
- Differential Geometry
- Dynamical Systems, Chaos and Fractals
- Econometrics
- Fluid Dynamics and Applications
- Fractional Differential Equations
- Real and Functional Analysis
- Fuzzy Logic
- General Topology
- Genetic Algorithms
- Linear and Modern Algebra
- Linear Programming Models
- Mathematical Modelling
- Mathematical Statistics
- Markov Chains and Applications
- Multivariate Analysis
- Non-linear Analysis
- Non-linear Programming Models
- Number Theory
- Numerical Analysis
- Official Statistics
- Operations Research
- Optimization Techniques
- Ordinary Differential Equations
- Partial Differential Equations
- Probability
- Probability and Queuing Theory
- Random Processes
- Regression (including non-parametric)
- Singular Perturbation Theory
- Spatial Statistics
- Statistics Process Control
- Stochastic
- Stochastic Differential Equations
- Stochastic Modelling
- Time Series and Data Mining
- Univalent Functions
- Any other topic related to Mathematical and Statistical Applications

### ■ Information Technology

- Artificial Neural Networks, Fuzzy Systems, and Hybrid Systems
- Building E-Learning Architectures
- Computational Intelligence and Evolutionary Computation
- Computer Graphics & Gaming Applications
- Computer Science and Engineering
- Data Communication, Computer Network and Security & Forensic
- Data Structures and its Applications
- Database Management Systems and its Applications
- Data mining, knowledge Discovery, and Knowledge Management
- Decision Support and Recommender Systems

- Developing and Organizational E-Learning Strategy
- Developing, Integrating, and Delivering E-Learning
- E-Learning Evaluation
- E-Learning Tools and Systems
- E-Learning Content Development
- Electronic Publishing Tools for E-Learning
- Engaging Students with the World Digital and Global Discovery Online
- Global Education Systems
- Human Computer Interaction
- ICT in Collaborative Learning
- ICT in Educational Technology
- ICT in Teaching and Learning Process
- Impact of ICT on Learning and Achievements
- Image Processing and Pattern Recognition
- Specific ICT Tools used in Education
- Information Retrieval, Natural Language
- Information Technology and Computer Education
- Interactive E-Learning Systems
- Internet of Things (IOT)
- Knowledge Management in E-Learning
- Methods and Procedures for the Global Classroom
- Processing, and Ontology
- Real Time Operating Systems and its Applications
- Software Engineering and Software Development
- Virtual Universities, Classrooms and Laboratories
- Web Application and Web Service
- Any other topic related to Computer Science / IT / ICT and its Applications

## ➤ *ICPMC: International Conference on Production, Mechanical and Civil Engineering*

### ■ Areas of Interest under Production Engineering

- Acoustics and Noise Control
- Advanced and Digital Manufacturing
- Advanced Energy Systems
- Aerodynamics & Aerospace Engineering
- Applied Mechanics
- Artificial Neural Networks, Fuzzy Systems, and Hybrid Systems
- Automation, Mechatronics and Robotics
- Automotive Systems
- Ballistics
- Bioengineering and Biomedical Engineering
- Biomechanics
- Composite and Smart Materials
- Compressible Flows
- Computational Mechanics
- Computational Techniques
- Controls
- Design
- Dynamical Systems
- Dynamics and Vibration
- Energy Engineering and Management
- Engineering & Advanced Materials
- Engineering Systems Design and Analysis
- Fatigue and Fracture
- Fluid Dynamics
- Fluid Mechanics and Machinery
- Fluids Engineering
- Fracture
- Fuels and Combustion
- Heat, Heat Transfer and Mass Transfer
- Instrumentation and Control
- Internal Combustion Engines
- Machinery and Machine Design
- Manufacturing and Production Processes
- Marine System Design
- Material Science and Processing
- Mechanical Power Engineering
- Mechatronics
- MEMS and Nano Technology
- Micro and Nano Technology
- Multibody Dynamics
- Nanomaterial Engineering
- Naval Architecture and Engineering of Marine Systems
- New and Renewable Energy
- Noise and Vibration
- Mechanical Design
- Nonlinear Dynamics & Structural Dynamics
- Optical Engineering
- Plasticity Mechanics
- Pollution and Environmental Engineering
- Precision mechanics, mechatronics
- Production Technology
- Quality assurance and environment protection
- Resistance and Propulsion
- Robotics, Automation and Control
- Structural Dynamics
- Any other topics related to Production Engineering and its applications

## ■ Areas of Interest under Mechanical Engineering

- Advanced Thermal Control Technologies
- Applied Mechanics
- Automation, Mechatronics and Robotics
- Automotive Engineering
- CAD/CAM/CIM
- Composite and Smart Materials
- Compressible Flows
- Fluid Mechanics and Machinery
- Fuels and Combustion
- Heat and Mass Transfer
- High Capacity Heat Rejection Systems
- Industrial and Systems Engineering
- Internal Combustion Engines
- Machinery and Machine Design
- Manufacturing and Production Processes
- Marine System Design
- Material Science and Processing
- Materials for Energy and Environmental Applications
- Mechanical Power Engineering
- Production Technology
- Robotic Automation and Control
- Solid Mechanics
- System Dynamics and Simulation
- Any other topic related to Mechanical Engineering

## ■ Areas of Interest under Civil Engineering

- Biomedical waste management
- Disaster Management and Mitigation
- Earth Quake Design of Structures
- Environmental Impact assessment
- Green Building concept
- Ground improvement Techniques
- Ground water Modeling
- High Performance Self Compacting Concrete
- Innovative housing design and Technologies
- Intelligent transport system
- Material Handling in Construction site
- Nano Technology in Civil Engineering
- Modern Construction Equipments and Practices
- New Composite materials and structures
- Quality Management, Control and Assurance
- Remote Sensing and GIS Applications
- Safety In construction
- Smart Structures and Smart Materials
- Soil Structure Interaction
- Special concrete
- Structural Health monitoring and Control
- Waste water and water Engineering
- Water resources management
- Any other topic related to Civil Engineering

## ➤ *ICMES: International Conference on Management, Education and Social Sciences*

## ■ Areas of Interest under Management

- Accounting, Banking Control & Supervision
- Brands and Branding
- Corporate Valuation and IPOs
- Disaster Management
- E-Commerce and Entrepreneurship
- Environmental Protection & Public Policy
- Finance, Economics and Hedge Funds
- Hospitality Management
- Human Capital, Creativity & Innovation
- Insurance and Takaful
- Intellectual Property
- Internet Banking and Emerging Markets
- Leadership, Total quality control in Business
- Managing Risk, Corporate Social Responsibility
- Marketing and Market entry
- Networking and Outsourcing
- New Product Development
- Supply Chain Management
- Sustainable Development
- Technology Transfer and Management
- Venture Capital and Private Equity
- Any other topic related to Management and its Applications

## ■ Areas of Interest under Education

- Building E-Learning Architectures
- Current issues in Science Education
- Developing, Integrating, and Delivering E-Learning
- Developing and Organizational E-Learning Strategy
- E-Learning Content Development
- E-Learning Evaluation
- E-Learning Tools and Systems
- Electronic Publishing Tools for E-Learning
- Engaging Students with the World Digital and Global Discovery Online
- Global Education System
- ICT in Teaching and Learning Process
- Impact of ICT tools used in Education
- ICT in Collaborative Learning
- ICT in Educational Technology
- Interactive E-Learning Systems
- Knowledge Management in E-Learning
- Methods and Procedures for the Global Classroom
- Science teaching based on Local Wisdom
- Specific ICT Tools used in Education
- Virtual Universities, Classrooms and Laboratories
- Other areas on Education

## ■ Areas of Interest under Social Sciences

- Agricultural Productivity and Agricultural & Rural Sustainability
- Climate Change and the Future
- Environmental Studies
- Environment of Sustainable Human and Social Development
- Ethnic / International Studies
- Food Security, Quality and Sovereignty
- Heritage Management
- Human & Social Rights
- ICT in Social Sciences and Education
- SMEs and Gender issues in the region
- Sustainable Management of Water and Air Resources
- Women in Traditional Society
- Urban Heat Island issues
- Any other topic related to Management and Social Sciences

■ Important Dates	:	Early Round	Final Round
Paper Submission Deadline for Review	:	30 <sup>th</sup> Jan' 2022	20 <sup>th</sup> Mar' 2022
Decision Notification	:	10 <sup>th</sup> Mar' 2022	10 <sup>th</sup> Apr' 2022
Early Bird Registration	:	30 <sup>th</sup> Mar' 2022	20 <sup>th</sup> Apr' 2022
Late Registration	:	30 <sup>th</sup> Apr' 2022	30 <sup>th</sup> Apr' 2022
Conference Dates	:	12 – 14, May' 2022	

## ■ Conference Format

The conference has two types of presentations: Invited Keynote Speakers and Regular Oral Presentations. The authors who register for the Regular Presented can present the paper either by attending the conference or through Skype/Zoom video presentation. The proceedings of the conference will be published and distributed in English through Electronic format.

## ■ Paper Submission

Papers must be written in English for ICETM - May' 2022 and should describe original work in detail. Each regular paper, according to instruction, must be accompanied by an abstract summarising the contribution it makes to the field. Maximum paper length for regular paper is 6 pages of A4. Each paper will be reviewed by at least three reviewers. Submission of a paper constitutes a commitment that, if accepted, at least one author must attend and participate in the conference. Electronic submission in camera-ready format and copyright document are required. For more information:

<http://www.wairco.org/Indonesia/BandaAceh/PaperSubmission.html>

The manuscript can be submitted through: [bandaacehmay2022@wairco.org](mailto:bandaacehmay2022@wairco.org)

## ■ Registration

The ICETM - May' 2022 has two rounds for submission of papers. Under each round there are two deadlines for paying the registration fee: Early bird registration and Late Registration.

It is mandatory that at least one author of an accepted paper must register in order to appear the accepted paper in the Journal Proceedings and be included in the Technical Program. If an author has got more than one accepted paper, each paper has to be registered separately. Each paper is restricted to 6 pages. Extra fee will be



charged for each page. Also not that, those who want to have a print media (hard copy) of the Journal Proceedings, they have to pay extra fee along with the registration fee. For more info: <http://www.wairco.org/Indonesia/BandaAceh/Registration.html>

## ■ Conference Location

The ICETM - May' 2022 will be held on 12 – 14, May' 2022 at "Eden Hotel Kuta Bali", Jl. Kartika Plaza No. 42, Kuta, Kabupaten Badung, Bali 80361, Indonesia. For more info: <http://www.wairco.org/Indonesia/BandaAceh/Venue.html>

## ■ Committee

The ICETM - May' 2022 constitutes the following members as Committee:

[Dr. Ernest Johnson, University of Regina, Canada](#)

[Dr. Cyril Kariyawasam, Rtd. Prof., SJP University, Sri Lanka](#)

[Dr. Malini Patil, JSSATE, Bangalore, India](#)

[Dr. Seow Ta Wee, University Tun Hussein Onn Malaysia](#)

[Dr. Jonathan Goh, University Tun Hussein Onn Malaysia](#)

[Dr. Muralidhara Rao M, Rtd. Professor, Affiliated to JNTUK, India](#)

[Mrs. Sarika Zuhri, Syiah Kuala Universiti, Indonesia](#)

For more info: <http://www.wairco.org/Indonesia/BandaAceh/Committee.html>

## ■ Contact Information

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<http://www.wairco.org/Indonesia/BandaAceh/Callforpapers.html>