

# International Conference on Engineering Technology and Management (ICETM - Apr' 2021)

8 - 10, Apr' 2021, Colombo, Sri Lanka

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 – Apr' 2021 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 – Apr' 2021 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 Information Technology*

### ■ Areas of Interest under Electrical Engineering

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

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

- Photonic and optoelectronic circuits
- Analog circuits and digital circuits
- Antenna and wave propagation
- Communication Theory
- Embedded systems and Microelectronics
- Filters and data conversion circuits
- VLSI design
- Microwave theory and techniques
- Mixed signal circuits
- Modulation, coding, and channel analysis
- RF and wireless circuits
- Sensor networks
- Signal processing
- Telecommunications engineering
- Optical communications
- Wireless/Mobile communication
- MEMS and Nanotechnology
- Nanomaterial engineering
- 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
- Calculus and Trigonometry
- Complex Analysis
- Computational Fluid Dynamics
- Control Theory
- Differential Topology
- Differential Geometry
- Dynamical Systems, Chaos and Fractals
- 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
- Markov Chains and Applications
- Non-linear Analysis
- Non-linear Programming Models
- Number Theory
- Numerical Analysis
- Operations Research
- Optimization Techniques
- Ordinary Differential Equations
- Partial Differential Equations
- Probability and Queuing Theory
- Random Processes
- Singular Perturbation Theory
- Stochastic Differential Equations
- Stochastic Modelling
- Univalent Functions
- Bayesian
- Computational Statistics
- Design Experiment
- Econometrics
- Mathematical Statistics
- Multivariate Analysis
- Official Statistics
- Probability
- Regression (including non-parametric)
- Statistics Process Control
- Stochastic
- Time Series and Data Mining
- Biostatistics and Bioinformatics
- Spatial Statistics
- Any other topic related to Mathematical and Statistical Applications

### ■ Information Technology

- Artificial Neural Networks, Fuzzy Systems, and Hybrid Systems
- Computational Intelligence and Evolutionary Computation
- Data Communication, Computer Network and Security & Forensic
- Decision Support and Recommender Systems
- Data mining, knowledge Discovery, and Knowledge Management
- Image Processing and Pattern Recognition
- Information Retrieval, Natural Language Processing, and Ontology
- Software Engineering and Software Development
- Web Application and Web Service
- Computer Science and Engineering
- Data Structures and its Applications
- Human Computer Interaction
- Database Management Systems and its Applications
- Real Time Operating Systems and its Applications
- Computer Graphics & Gaming Applications
- Information Technology and Computer Education
- ICT in Teaching and Learning Process
- Impact of ICT on Learning and Achievements
- Specific ICT Tools used in Education
- Building E-Learning Architectures
- ICT in Collaborative Learning
- Developing and Organizational E-Learning Strategy
- Developing, Integrating, and Delivering E-Learning
- ICT in Educational Technology
- 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
- Interactive E-Learning Systems
- Knowledge Management in E-Learning
- Methods and Procedures for the Global Classroom
- Virtual Universities, Classrooms and Laboratories
- Any other topic related to Computer Science and its Applications

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

### ■ Areas of Interest under Production Engineering

- Artificial Neural Networks, Fuzzy Systems, and Hybrid Systems
- Dynamical Systems
- Dynamics and Vibration
- Energy Engineering and Management
- Engineering Materials
- Engineering Systems Design and Analysis
- Fatigue and Fracture
- Fluid Dynamics
- Fluid Mechanics and Machinery
- Fluids Engineering
- Fracture
- Fuels and Combustion
- Heat and Mass Transfer
- Heat 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
- Acoustics and Noise Control
- Advanced and Digital Manufacturing
- Advanced Energy Systems
- Advanced Materials
- Aerodynamics
- Aerospace Engineering
- Applied Mechanics
- Automation, Mechatronics and Robotics
- Automotive Systems
- Ballistics
- Bioengineering and Biomedical Engineering
- Biomechanics
- Composite and Smart Materials
- Compressible Flows
- Computational Mechanics
- Computational Techniques
- Controls
- Design
- Nonlinear 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

### ■ 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

- Innovative housing design and Technologies
- Nano Technology in Civil Engineering
- High Performance Self Compacting Concrete
- Remote Sensing and GIS Applications
- Environmental Impact assessment
- Green Building concept
- Smart Structures and Smart Materials
- Modern Construction Equipments and Practices
- Structural Health monitoring and Control
- Special concrete
- Biomedical waste management
- Waste water and water Engineering
- New Composite materials and structures
- Material Handling in Construction site

- Quality Management, Control and Assurance
- Earth Quake Design of Structures
- Safety In construction
- Disaster Management and Mitigation
- Ground water Modeling

- Water resources management
- Ground improvement Techniques
- Soil Structure Interaction
- Intelligent transport system
- Any other topic related to Civil Engineering

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

### ■ Areas of Interest under Management

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

### ■ Areas of Interest under Education

- Current issues in Science Education
- Science teaching based on Local Wisdom
- ICT in Teaching and Learning Process
- Impact of ICT tools used in Education
- Building E-Learning Architectures
- ICT in Collaborative Learning
- Developing and Organizational E-Learning Strategy
- Developing, Integrating, and Delivering E-Learning
- ICT in Educational Technology
- 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 System
- Interactive E-Learning Systems
- Knowledge Management in E-Learning
- Methods and Procedures for the Global Classroom
- Virtual Universities, Classrooms and Laboratories
- Other areas on Education

### ■ Areas of Interest under Social Sciences

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

■ <b>Important Dates</b>	:	<b>Early Round</b>	<b>Final Round</b>
Paper Submission Deadline for Review	:	20 <sup>th</sup> Dec' 2020	30 <sup>th</sup> Jan' 2021
Decision Notification	:	30 <sup>th</sup> Jan' 2021	28 <sup>th</sup> Feb' 2021
Early Bird Registration	:	28 <sup>th</sup> Feb' 2021	10 <sup>th</sup> Mar' 2021
Late Registration	:	20 <sup>th</sup> Mar' 2021	20 <sup>th</sup> Mar' 2021
Conference Dates	:	8 – 10, Apr' 2021	

## ■ Conference Format

The conference has two types of presentations: Invited Keynote Speakers and Regular Oral Presentations. The proceedings of the conference will be published and distributed in English through Electronic format (CD format).

## ■ Paper Submission

Papers must be written in English for ICETM – Apr' 2021 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/SriLanka/PaperSubmission.html>

The manuscript can be submitted through: [srilankaapr2021@wairco.org](mailto:srilankaapr2021@wairco.org)

## ■ Contact Information

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