PMAE 2018

HONG KONG
August 4-6, 2018

2018 International conference on Progress in Mechanical and Aerospace Engineering

PMAE2018 is a workshop of CMAME2018.

The aim as well as objective of PMAE 2018 is to present the latest research and results of scientists related to Mechanical and Aerospace Engineering topics.

Submission Methods

For full paper and Abstract both

1.Electronic Submission System
2.Email to: pmae@saise.org

Submissions must be original and should not have been published previously or be under consideration for publication while being evaluated for this conference.

Proceedings

After a careful reviewing process, all accepted papers after proper registration and presentation, will be published in the Conference Proceedings, which is indexed by Ei Compendex, Scopus, Thomson Reuters (WoS), Inspec,et al.

Important Dates

Submission Deadline	**April 05th, 2018**
Notification Date	**April 25th, 2018**
Registration Deadline	**May 15th, 2018**
Conference Dates	**August 4-6,2018**

Conference Committee

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Call For Papers

Aerospace Mechatronics and Avionics Systems

Advanced theoretical models
Advances in aerospace technology
Aeroelasticity and loads
Aerodynamic's fundamental concepts
Aerospace robotics and mechatronics
Flight software engineering and testing
Aerostructures and composites
Aeronautics and astronautics
Aircraft systems
Aircraft design concepts
Applied aerodynamics and fluid mechanics
Aviation human factors
Computational fluid dynamics
Emerging avionics technology
Heat transfer mechanics
Navigation systems
Novel aero engines
Rocket theory and design
Spacecraft avionics systems, subsystems and technologies
Aerodynamic forces and structural flexibility

Mechanical Engineering in Aerospace

Applied Plasma and Fusion
Aerodynamics and Aeroacoustics
Biotechnology and Nanotechnology
Combustion and Pollution
Computational Fluid Dynamics
Computational Mechanics
Control Systems Theory and Applications
Dynamic Systems and Control Engineering
Dynamics of Machining Processes and Chatter Vibrations
Experimental Stress Analysis
Finite Element Analysis
Fluid Mechanics, Combustion, and Engineering Physics
Heat and Mass Transfer
Instrumentation and Control Engineering
Laser Material Interactions
Machine Design and Analysis
Materials and Failure Analysis
Materials Synthesis and Processing
Mechanics of Biological Materials
Microfluidics

Electronic Systems

Technologies in navigation, avionics, radar, sonar,telemetry, sonsors, security systems, simulators, automatic test, and command and control
Advanced integrated/standalone electric power systems(generation, distribution and conversion) for safe,efficient and cost-effective air/land/sea applications
Advanced energy storage and mobile power (batteries,supercaps and fuel-cells)
Aerospace structures and manufacturing, emerging specialty materials/chemicals (nanotech, composites,plastics, adhesives, alternative fuels, etc.)
Knowledge management, prognostics health monitoring/trending and maintenance

Aerospace Communications

Aircraft Navigation
Antennas
Astronomical Image Processing
Atmospheric Measurement
Attitude maneuver control
Autonomous flight control
Ballistic tracking
Bistatic SAR processing
Communications techniques
Control design
Convex parameterization
Detection in non-gaussian distribution environment
Doppler signature classifications
Earth terminal systems
Estimation & detection theory
Estimation for guidance, navigation & control of an aerial vehicle
Finite elements
Geophysical Image Processing
Geoscience & remote sensing
GPS multipath
Ground Support System
Image analysis
Image Recognition
Interactivity via satellite
Interference cancellation
Interference Suppression
Intersatellite links
Intrapulse radar
Ionospheric Techniques
Meteorological Radar
MIMO radar moving target detection
MTI radar
Multi-spacecraft imaging systems
Nano & Micro satellites designs
Nanosatellites networking
Navigation services
Telemetry

Aerospace Engineering and Management

Airport Management and Operations
Aircraft Maintenance Management
Aircraft Structural Analysis and Design
Aircraft Vibration and Aeroelasticity
Aviation Logistics and Supply Chain Management
Aircraft Propulsion and Gas Turbine Engines
High-speed Aerodynamics
Industrial Aerodynamics
Integrated systems Design
Managing Creativity and Innovation
Project Management
Propulsion and Turbomachinery
Safety Management
Transport Management

Contact Us

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