

Aims and Scope for Advanced Experimental Mechanics

Advanced Experimental Mechanics is an English journal published by the Japanese Society for Experimental Mechanics that publishes papers annually (End of August, 2016) in all areas of experimentation including its theoretical and computational analysis. Articles extending the frontiers of experimental mechanics at large and small scales are particularly welcomed.

Main research areas covered in the journal include:

(II) Fundamentals

- Fluid Dynamics
- Multiphase Flow
- Thermodynamics
- Heat and Mass Transfer
- Solid Mechanics / Strength of Materials
- Material Engineering
- Bioengineering
- Civil Engineering
- Sound and Vibration
- Instrumentation and Testing
- Visualization and Image Processing, and others

(II) Applications

- Fluid Machinery
- Fluid Flow in Micro- and Nano-scales
- Environmental Science and Engineering
- Advanced Energy and Power Systems
- Combustion Technology
- Medical and Welfare Engineering
- Biomechanics and Biomaterials
- Material Processing
- Materials Testing and Fracture Mechanics Evaluation
- Non-destructive Testing and Inspection
- Optical Methods, Thermal Methods and X-ray Techniques
- Transducer and Sensor Design
- Safety Engineering, Risk Analysis and Reliability Methods
- Smart Materials and Structural Health Monitoring
- MEMS and NEMS
- Recycling
- Electronic Packaging
- Prosthetics, and others

The submission fees are given as follows: (for more details, see the submission form)

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