Background and Aims
The Japanese Society for Experimental Mechanics (JSEM) was founded in 2001 by reorganizing the former Japan Society for Photoelasticity to extend its covering area of Experimental Mechanics not only to Solid Mechanics but also to various areas of Applied Mechanics such as Fluid Mechanics, Thermal Engineering, Medical Engineering, Biomechanics, Construction and Civil Engineering and so on. The present Symposium aims to promote an exchange of recent and advanced information among scientists and engineers in the wide field of Experimental Mechanics with special focus on Environmental, Medical and Welfare Engineering. The Symposium is also aimed particularly at promoting communication and collaboration between fundamental researchers and those engaged in the development of practical technology in respective areas of Experimental Mechanics.

Paper Submission, Selection, and Publication
Abstracts of 300-500 words in English should be submitted online at the Symposium website. The abstracts will be used for preliminary screening and planning for the sessions. Accepted abstracts should be submitted in the form of full-length manuscripts for review. Final acceptance will be based on review of the manuscripts. A bound volume of the abstracts and a piece of CD-ROM or USB proceedings of the full-length papers will be available at the Symposium. Authors are invited to submit their papers to Advanced Experimental Mechanics published by the Japanese Society for Experimental Mechanics. For further detailed information, please visit the AEM Website (http://www.jsem.jp/journal/aem/).

Deadlines
- Abstract submission: May 12, 2018
- Notification of abstract acceptance: May 26, 2018
- Full-length manuscript submission: July 14, 2018
- Notification of full-length manuscript acceptance: August 30, 2018
- Final manuscript due: September 12, 2018

Topics
We welcome papers in the following areas:
(I) Fundamentals
(1) Fluid Dynamics
(2) Multiphase Flow
(3) Thermodynamics
(4) Heat and Mass Transfer
(5) Solid Mechanics / Strength of Materials
(6) Material Engineering
(7) Bioengineering
(8) Civil Engineering
(9) Sound and Vibration
(10) Instrumentation and Testing
(11) Visualization and Image Processing, and others

(II) Applications
(1) Fluid Machinery
(2) Fluid Flow in Micro- and Nano-scales
(3) Environmental Science and Engineering
(4) Advanced Energy and Power Systems
(5) Combustion Technology
(6) Medical and Welfare Engineering
(7) Biomechanics and Biomaterials
(8) Material Processing
(9) Materials Testing and Fracture Mechanics Evaluation
(10) Non-destructive Testing and Inspection
(11) Optical Methods, Thermal Methods and X-ray Techniques
(12) Transducer and Sensor Design
(13) Safety Engineering, Risk Analysis and Reliability Methods
(14) Smart Materials and Structural Health Monitoring
(15) MEMS and NEMS
(16) Recycling
(17) Electronic Packaging
(18) Engineering Education, and others

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http://2018-13th-isem.webnode.tw