

**Asian Conference  
on Experimental Mechanics**  
**October 11-15, 2018 Xi'an, China**



**Organized by**



**Hosted by**



**Supported by**

- Shaanxi Key Laboratory of Impact Dynamics and Engineering Application
- Key Laboratory of Mechanics on Disaster and Environment in Western China
- State Key Laboratory for Strength and Vibration of Mechanical Structures
- Overseas Expertise Introduction Center for Discipline Innovation
- Key Laboratory of Applied Mechanics, Ministry of Education

**Welcome to ACEM 2018**

We are pleased to announce that **the Asian Conference on Experimental Mechanics (ACEM) 2018**, will be held in Northwestern Polytechnical University (NPU), Xi'an, China from October 11-15, 2018. **The ACEM 2018** organizing committee cordially invites you to share your recent research and experience in the development of experimental mechanics and its practical use specialties.

**The ACEM** is a prestigious international conference held by **the Asian Society of Experimental Mechanics (ACEM)**. The 1st ACEM was held on December 28th, 2002 at Taipei in Taiwan, China. Since that time, many scientists, engineers, scholars and industries from many regions in Asian countries have involved in the **ACEM**.

**The ACEM 2018** is the 17th conference. This conference is open to international experts from academic institutions and industrial companies. It is strongly encouraged to all participants giving contribution in research and development, interdisciplinary application and active promotion of experimental methods. In this conference, events regarding social gathering and art-techno-science entertainment are also being planned for all participants to promote Asian cultures.

Experimental Mechanics is a gateway to understanding the behavior of materials, structures, and systems. Further, Experimental Mechanics provides the physics understanding and verification of analytical, computational and experimental approaches to the development of engineering and technology solutions. **The ACEM 2018** conference welcomes research-based articles in all areas of Experimental Mechanics. Articles discussing emerging technologies in nano-particle, imaging, drugs mechanism, functional materials and biotechnology are also welcomed.

**The ACEM 2018** organizing committee enthusiastically greeting you to **the ACEM 2018** in Xi'an, China from October 11-15, 2018. We hope all of you will enjoy the conference and have valuable discussions in Experimental Mechanics.

## Topics

The topics of the conference is including but not limit to:

- A. Stress, Strain and Deformation
- B. Dynamics and Impact methods
- C. Reliability in Material and Structures, and Conditional Monitoring Techniques
- D. Non-destructive Measurement, Testing & Inspection
- E. Optical Metrology, Measurement Techniques and Their Application
- F. Combustion, Detonation and Explosion
- G. Biomechanics and Its Applications
- H. Experimental Aerodynamics and Hydrodynamics
- I. Advanced Experimental and Visualization Techniques in Fluid Mechanics
- J. Mechanics of Nano/Micro Materials, Biomaterials and Composite Materials
- K. Properties of Materials under High Pressure, High Temperature and High Strain Rate

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Website : <http://acem2018.org>

## Organizers

Northwestern Polytechnical University , China

## Submission Guideline

### Submission of Extended Abstract

An extended abstract should be submitted by the deadline following the template provided on the ACEM2018 website. Every participant may choose the type of publications, whether in proceeding or journal. At least one of the authors must register no later than May 15, 2018 for the abstracts to be included in the proceedings.

### Submission Instructions

- Extended abstract should be within 2 pages long in English.
- Extended abstract should be submitted in English using an abstract template form which can be downloaded from the ACEM 2018 website.
- Authors may further edit and modify submitted extended abstracts until the submission deadline.
- Please ensure that text does not contain typos or grammatical errors. No Proof reading will be carried out, and no corrections will be possible after the submission deadline.
- All abstracts will be reviewed by the scientific committee and accepted papers will be assigned to appropriate sessions for presentations at the conference.

## Important Date

Deadline for Abstract Submission

**August 30, 2018**

Notification of Abstract Acceptance

**September 15, 2018**

Deadline for Revised Abstract Submission

**September 30, 2018**

Conference Date

**October 11-15, 2018**

## Registration Fee

Category	Normal
Participant (Full)	USD 500 (about RMB 3300)
Student	USD 400 (about RMB 2600)
Accompanying	USD 240 (about RMB 1500)

\* Information will be available soon.

## Conference Venue



Location: Laodong Nan Road, Xi'an, Shaanxi

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Email: 231271771@qq.com