



# CALL FOR PAPERS

## ICERA 2018 International Conference on Engineering Research and Applications 1-2 December 2018, Thai Nguyen, Vietnam

We are pleased to invite you to submit the original paper(s) for “International Conference on Engineering Research and Applications (ICERA 2018)”.

This conference aims to provide an international forum to disseminate information on the most recent and relevant researches, theories, and practices in engineering research and applications. The conference is dedicated to the 54<sup>th</sup> anniversary of Thai Nguyen University of Technology. All submissions are subjected to rigorous review before an acceptance decision is made. This conference will be attended by participants from USA, Canada, Japan, Australia, Germany, Korea, Russia, Taiwan, China, Philippines, Indonesia, Vietnam and other countries.

### ORGANIZING COMMITTEE

#### Honorary Co-Chairs

Tien Long Banh, VASE, Vietnam  
Huu Cong Nguyen, Vice President, TNU, Vietnam  
Van Tao Nguyen, Rector, ICTU, Vietnam

#### Program Co-chairs

Thanh Long Pham, TNUT, Vietnam  
Putra Horst, TU Ilmenau, Germany  
Duc Thai Vu, ICTU, Vietnam

#### General Co-Chairs

Duy Cuong Nguyen, Rector, TNUT, Vietnam  
Ngoc Pi Vu, Vice Rector, TNUT, Vietnam

#### Organizing Co-chairs

Huy Du Dao, TNUT, Vietnam  
Tuan Minh Nguyen, TNUT, Vietnam  
Thi Thanh Ha Nguyen, TNUT, Vietnam  
Thi Tam Do, TNUT, Vietnam

#### Keynote Speakers

Tien Long Banh, VASE  
Fujita Hamido, IPV, Japan

### SUBMISSION

Authors are requested to prepare papers in line with **Springer-template**. Paper submission should not exceed 6 pages and must be submitted through the conference's page <https://easychair.org/conferences/?conf=icera2018>

### PUBLICATION

All submissions (in full paper) will be peer reviewed. Accepted papers will be published in the **ICERA 2018 Conference Proceedings** by **Springer**.



### IMPORTANT DATES

Full Paper Submission Deadline: **31 July 2018**  
Notification of Acceptance: **15 August 2018**  
Final Paper Submission: **1 September 2018**  
Author Registration: **10 September 2018**



**CONTACT:** Email: [icera2018@tnut.edu.vn](mailto:icera2018@tnut.edu.vn);  
Website: <http://icera2018.tnut.edu.vn>

## TOPICS

### Mechanical Engineering Track

Machining Processes  
Non-traditional Machining Processes  
Advanced Manufacturing and Automation  
Dynamics, Vibration and Control  
Metrology and Machine Tool Modeling  
CAD/CAM  
Machine and Machinery Design  
Computational Heat and Mass Transfer

### Materials and Mechanics of Materials Track

Applied Surfaced Engineering  
Materials Manufacturing and Processing  
Mechanical Behavior of Materials  
Mechanics of Composites  
Engineering Materials and Applications  
Mechanics of Advanced Materials  
Applied Mechanics

### Mechatronics and Micro Mechatronics Track

Micro/nano fabrication and manufacturing technologies  
Mechatronics Applications  
Sensors and Actuators  
Micromechanics and Nanomechanics  
Microrobotics, micro/nano systems and micromechatronic systems integration  
Silicon and other advanced materials for MEMS and NEMS  
Robotics Systems  
Precision Metalworking Technology

### Automotive Engineering Track

Electric and Hybrid Vehicles  
Automotive Engines  
Automotive Dynamics  
Vibration, Noise and Harshness

### Electrical and Electronics Engineering Track

Environmental systems modeling and Control  
Model based control methods & applications  
Digital Signal Processing and Applications  
Power Electronics and Systems  
Automation, Robotics and Control  
Electrical Measurements  
Communication and Electronics Engineering  
IC Technologies  
Modeling and Simulations  
Devices, Circuits and Systems  
Energy Systems  
Intelligent Transportation Systems  
Wireless systems  
Networked Control Systems  
Fuzzy and Neural Control  
Process Control Systems

### Information and Communication Technology Track

Information Systems  
Software Engineering  
Computer Network and Security  
Internet of things and Smart Cities  
Embedded Systems  
Natural Language Processing  
Intelligence Systems  
Parallel and Distributing Computing  
Grid and High-Performance Computing  
Information and Coding Theory  
Data Mining and Big Data  
Telecommunications Systems