

## Thailand Member of ICHMT (1) Overview

(Thailand Standard Time, THA: UTC+7, Population: 69.8 million)

### 1. Major Societies

Most of Thai scientists and engineers in thermal science and engineering (or more specifically heat and mass transfer) belong to the **Thai Society of Mechanical Engineers (TSME)**. The objectives of the society are

1. To support harmonization among members in the practice of mechanical engineer and other related professions in treating society without being contrary to morality and the laws of the country.
2. To cooperate between members of the association, academic departments and other organizations, both government and private sectors in having a good purpose and ideology in any actions that the association has the ability to develop the nation to prosper equally to other countries.
3. To be a center for research studies and academic consultations in mechanical engineering for members and interested parties.
4. To proceed with academic focus that is beneficial to public without aiming for benefits and not having any role in politics. Do not relate to gambling, profit sharing as well as degrading morals, customs and good culture of the nation. The symbol of the society is as shown in **Fig. 1**.



**Fig. 1** The logo representing the TSME association of thermal science and engineering

### 2. Major Meetings

The National Conference of the Mechanical Engineering Network of Thailand (ME-NETT)

Since 1987, annually held (the 35th in 2021)

Place: rotated among all institutional members around the country

Period: 3 days in July

Participants: about 400

Paper presentations (oral): about 250

The International Conference on Mechanical Engineering (TSME-ICoME)

Since 2010, annually held (the 11th in 2020)

Place: rotated among all institutional members around the country

Period: 3 days in December

Participants: about 300

Paper presentations (oral): about 150

### 3. Major Journals

Journal of Research and Applications in Mechanical Engineering (JRAME) (in English, every 6 months), <https://ph01.tci-thaijo.org/index.php/jrame>.



**Fig. 2** The cover of Journal of Research and Applications in Mechanical Engineering (JRAME)

### 4. Education (Undergraduate/Graduate School)

- Elementary School, 6 years; Junior High School, 3 years; High School, 3 years; Undergraduate School, 4 years. After Junior High School, there is an alternative choice of Technical colleges and Vocational schools, 3-5 years.
- In general, the first semester of Elementary School, Junior High School and High School starts in May, while the second semester starts in October. The first semester of Undergraduate School starts in June – August, while the second semester starts in November – January.
- Most of undergraduate school education is carried out by using English and Thai textbooks.
- Senior students engage in bachelor thesis by doing experimental/theoretical studies under his/her supervisors.
- Master course is usually 2 years, and Doctoral course is 3 years on average.
- The graduation deadlines of doctoral, master and bachelor students are usually at the end of each semester.
- Female students in the faculty of engineering have increased gradually.

### 5. University System

- Academic positions are based assistant professor, associate professor, and professor.
- The academic position criteria are revised according to the global academic position criteria.
- All public universities, the retirement age is 60.

### 6. Foundations of Scientific Research

- Ministry of Higher Education, Science, Research and Innovation (MHESI)
- National Research and Innovation Information System (NRIIS)
- National Science and Technology Development Agency (NSTDA)

### 7. Major Public/Private Research Institutes

- 32 Institutional members of Thai Society of Mechanical Engineers (TSME)
- National Science and Technology Development Agency (NSTDA)
- National Research Council of Thailand (NRCT)
- Private Research Institutes

### 8. Addendum

Thai language has 44 consonant letters, 21 vowel nuclei providing 32 sounds and 5 phonemic tones: mid, low, falling, high, and rising.

President of TSME KULACHATE Pianthong K.Pianthong@gmail.com  
kulachate.p@ubu.ac.th