



The 1st Call for Papers

The 18th International Conference on Precision Engineering (ICPE 2020 in Kobe)

November 23-27, 2020

The Kobe Chamber of Commerce and Industry, Kobe, Hyogo, Japan

The 18th International Conference on Precision Engineering (ICPE2020 in Kobe) will be organized by the Japan Society for Precision Engineering (JSPE) and held on 23-27 November 2020 in Kobe, Japan. The conference will be held at The Kobe Chamber of Commerce and Industry located in the Kobe port island which is artificial island at the port of Kobe. The following topics related to precision engineering will be focused in this conference.

- Digital design and manufacturing systems
- Life cycle and smart engineering
- Advanced system design and applications
- CAD/CAM technologies
- Advanced cutting technologies
- Advanced grinding technologies
- Micro/Nano machining and figurings
- Nano-scale surface finishing
- Non-traditional machining and additive manufacturing
- Energy beam processing
- Advanced die/molding and polymer processing
- Advanced machine tools and elements
- Micro systems and machine elements
- Robotics and mechatronics
- Ultra precision controls
- Nano-scale measurements and calibrations
- Surface metrologies of nano-scale structures
- Mechano photonics engineering and optical applications
- Advanced image processing and applications
- Advanced 3 dimensional digital processing
- Advanced surface processing
- Micro fabrications for functional surfaces
- MEMS/NEMS
- Bio-medical engineering and applications

The important dates for paper submission are as follows.

- Submission of 100 to 200 words abstract: **March 23, 2020**
- Notification of abstract acceptance: **April 20, 2020**
- Submission of manuscript for paper review: **June 15, 2020**
- Notification of final acceptance: **August 17, 2020**
- Submission of Camera-ready manuscript: **September 14, 2020**

This conference will be scheduled as follows.

- Welcome reception: **November 23, 2020**
- Conference: **November 24 - 26, 2020**
- Banquet: **November 25, 2020**
- Factory tour: **November 27, 2020**



The Kobe Chamber of Commerce and Industry

Kobe is located right in the center of Japan. This city has prospered as a port for overseas trade since ancient times, and has adopted various western cultures since its opening in 1868.



- From Tokyo to Kobe or Shin-Kobe: About 3 h by Shinkansen
- From Fukuoka or Hakata to Kobe or Shin-Kobe: About 3 h by Shinkansen
- From Osaka to Kobe or Sannomiya: About 30 min by train
- From Narita or Haneda airports to Osaka Itami Airport: About 1.5 h by airplane
- From KIX (Kansai International Airport) to Kobe or Sannomiya: About 1 h by Airport Bus
- From KIX (Kansai International Airport) to Kobe Airport: About 30 min by High-Speed Ferry (Bay Shuttle)
- From Osaka Itami Airport to Kobe or Sannomiya: About 40 min by Airport Bus
- From Shin-Kobe to Sannomiya: About 5 min by Kobe City Subway
- From Sannomiya to Shimin Hiroba: About 10 min by Port Liner (Kobe New Transit)
- From Kobe Airport to Shimin Hiroba: About 8 min by Port Liner (Kobe New Transit)

The conference committee:

- | | | |
|-------------------------|--------------------|------------------------------------|
| • Conference Chair: | Keiichi SHIRASE | Kobe University |
| • Conference Co-chair: | Atsushi MATSUBARA | Kyoto University |
| • Conference Co-chair: | Yasuhiro TAKAYA | Osaka University |
| • Conference Secretary: | Ryuta SATO | Kobe University |
| • Program Chair: | Kazuya YAMAMURA | Osaka University |
| • Program Co-chair: | Yasuhisa SANO | Osaka University |
| • Supervisor: | Hideki AOYAMA | Keio University |
| • Supervisor: | Katsuyoshi ENDO | Osaka University |
| • Supervisor: | Takashi MATSUMURA | Tokyo Denki University |
| • Executing Committee | Seiji AOYAGI | Kansai University |
| • Executing Committee | Kenta ARIMA | Osaka University |
| • Executing Committee | Toshiyuki ENOMOTO | Osaka University |
| • Executing Committee | Nobutada FUJII | Kobe University |
| • Executing Committee | Tomoya FUJITA | Mitsubishi Electric Corp. |
| • Executing Committee | Toshiki HIROGAKI | Doshisha University |
| • Executing Committee | Yukitoshi IHARA | Osaka Institute of Technology |
| • Executing Committee | Toshiya KAIHARA | Kobe University |
| • Executing Committee | Hideo KAWAHARA | Kawasaki Heavy Industries, Ltd. |
| • Executing Committee | Daisuke KOKURYO | Kobe University |
| • Executing Committee | Daisuke KONO | Kyoto University |
| • Executing Committee | Satoshi MATSUYAMA | Osaka University |
| • Executing Committee | Yasuhiro MIZUTANI | Osaka University |
| • Executing Committee | Daisuke MURAKAMI | Sumitomo Electric Industries, Ltd. |
| • Executing Committee | Junji MURATA | Ritsumeikan University |
| • Executing Committee | Isamu NISHIDA | Kobe University |
| • Executing Committee | Hideki SHIBAHARA | OKK Corp. |
| • Executing Committee | Tatsuya SUGIHARA | Osaka University |
| • Executing Committee | Nobuyuki TAKAHASHI | Mitsubishi Electric Corp. |
| • Executing Committee | Akira TSUMAYA | Kobe University |