

Message from the Conference Chair

Dear ICPE2024 Participants,

On behalf of the Conference Committee, I would like to warmly welcome you to ICPE2024 being held at School of Engineering, Tohoku University, Sendai, Japan, from 23 to 26 of October, 2024.

The ICPE conference is organized by The Japan Society for Precision Engineering (JSPE). It has been successfully held 19 times since the 1st ICPE at Tokyo in 1994 where Prof. Norio Taniguchi coined the term of "Nanotechnology". I would like to thank Prof. Masanori Kunieda and JSPE for providing us the opportunity to host this year's ICPE in Sendai, a city called "Mori no Miyako" which means "City of Trees" for the gorgeous nature within the city. The invaluable advices from Profs. Atsushi Matsubara and Daisuke Kono, the Co-Chair and Secretary of ICPE2022 are highly appreciated.

More than 657 participants from 26 countries and regions will be attending ICPE2024. Half of the participants are from outside of Japan. 434 papers will be presented in 23 Organized Sessions and 16 General Sessions. I would like to thank all the invited Plenary/Keynote/Future Speakers and all the authors of the papers in the technical sessions for coming across the world to share their state-of-the-art research work covering a wide range of Precision Engineering, all the session organizers for organizing the sessions and all the reviewers for reviewing the papers.

ICPE2024 is co-organized by the School of Engineering, Tohoku University. ICPE2024 would not be possible without the support from the School of Engineering. Special thanks to Prof. Hiroo Yugami (Previous Dean), and Prof. Akinori Ito (Dean), Prof. Izumi Muto/ Ms. Tomoka Takaku (Chair/ Secretary of The Department of Metallurgy, Materials Science and Materials Processing), Prof. Hirokazu Moriya (Vice Director of International Office), and many others for their kind understanding and generous supports. Prof. Yugami, now the Vice-President of Tohoku University, also helped to arrange the Technical Tours.

The financial supports from the premium ICPE2024 Sponsors listed in the Information Book are highly appreciated. I would also like to thank the Industrial Exhibitors and the advertising companies for their contributions to ICPE2024. The ICPE2024 Technical Tours are financially supported by The Japan Tourism Agency, Ministry of Land, Infrastructure, Transport. The assistance from Mr. Tabata Kentaro, Mr. Akihiko Shimanuki, Ms. Miki Hasekawa, Ms. Mieko Kamada, Mr. Hiraku Tsukahara, the staffs and volunteers from SenTIA and JTB are also appreciated.

Finally, I would like to thank all the members of the Conference Committee for their great efforts. Special thanks go to Conference Co-Chairs, Prof. Yuki Shimizu who organized the Technical Tours, Prof. Masayoshi Mizutani and Prof. Toshiyuki Takatsuji who organized the Industrial Exhibition, Sub Committee Chairs; Prof. Yasuhiro Mizutani, Prof. Masaki Michihata Prof. Ito So, Dr. Satoru Maruyama and Dr. Makoto Abe who took excellent leadership in each of the committees, Prof. Xin Xiong who did an excellent work for the arrangement of the participants from China, the largest group from outside of Japan. The most appreciation goes to the ICPE2024 Secretary Team, which is composed of my 8 talented Ph.D students and my assistant professor Ryo Sato. They have been working very hard with me for the preparation of ICPE2024 over the last one year and half.

ICPE2024 is a truly hand-made conference. It would be far from perfect and I would like to beg your forgiveness for the problems and issues occurring before and during the conference. Any suggestions and comments would be highly welcome. Hopefully ICPE2024 would be as successful as the previous ICPE conferences with the support from all the ICPE2024 participants.

Welcome to ICPE2024, The 50th Anniversary of ICPE & Nanotechnology!

Welcome to Tohoku University, Sendai, Japan!

Best regards,



Wei Gao, Conference Chair, ICPE2024