



The Japan Society for Precision Engineering

June 25, 18

Welcome to JSPE

The Japan Society for Precision Engineering (JSPE) was established in 1933. Presently, the JSPE has about 5,500 members, all of whom come from varied backgrounds, including universities, research laboratories, and industrial organizations.

JSPE was originally established with the purpose of providing a forum for mechanical engineers and researchers to freely discuss common issues and future developments concerning “extremely advanced technology.”

JSPE has since developed to encompass all engineering fields that require highly advanced technologies, and now plays a leading role in the research and development of production systems, instrumentation, system control, and CAD/CAM, as well as precision mechanical elements.

JSPE also serves as a center for various research and development organizations that are directed towards the advancement of new technology. Some topics of interest are micromachining, bioengineering, and product lifecycle engineering, to name but a few.

The benefits of becoming a JSPE member include access to the wealth of information on precision engineering in JSPE’s journals, as well as the opportunity to participate in meetings, conferences, tutorial lectures, plant tours, among other activities.

International activities of JSPE

Precision Engineering – Journal of the International Societies for Precision Engineering and Nanotechnology is an academic journal devoted to the multidisciplinary study and practice of high accuracy engineering, metrology, and manufacturing. It is associated with the American Society for Precision Engineering (ASPE) and the European Society for Precision Engineering and Nanotechnology (euspen).

ICPE (International Conference on Precision Engineering), sponsored by JSPE, ASPE and euspen, is a conference held every two years for the promotion of research activities in precision and production engineering.

ASPEN (Asian Society for Precision Engineering and Nanotechnology) is an umbrella organization designed to promote collaboration among academic and industrial societies in Asia. JSPE plays an important role in ASPEN.



R&D Activities in JSPE

Design & Production System

Design Theory
Geometric Modeling
CAD/CAM/CAE
Digital Style Design
Smart Engineering
Life Cycle Engineering
Service Engineering
IoT/AI/Big Data
Cyber-Physical Systems (CPS)
Production Planning & Control

Precision Machining

Cutting, Grinding & Abrasive Machining
Planarization & CMP
Functionalized Freeform Generation
Additive Manufacturing
Electrical Discharge Machining
Electrochemical Machining
Laser Beam Machining
High Energy Beam Machining
Nontraditional Machining
Chemical Machining & Etching
Forming and Shaping Processes
Die & Mold Technologies

Mechatronics & Precision Machinery

Robotics
Intelligent Systems
Motion Control & Positioning
Sensors & Actuators
High-Speed & High-Precision Machine Tool
Miniaturized Manufacturing Systems
System & Control Engineering
Precision Instruments & Products
Aeronautical & Aerospace Engineering
Precision Agriculture, Forestry & Fisheries

Precision Measurement

Optical Measurement
3D Measurement
Image-Based Measurement
In-Process Measurement
Surface Roughness & Profile Measurement
Intelligent Precision Measurement
Photonics
Quantum Beam Science
STM & AFM

Human & Environmental Engineering

Principle of Manufacturing
Human Engineering
Technology & Technical Skills
Environmental & Energy Technologies
Eco-Machining
Emotional Design Engineering
Technology & Engineering Education

Materials & Surface Processing

Smart Materials
Surface Treatment
Functional Thin Films
Surface Functionalization
Tribology
Plasma Processing

Bioengineering

Bionanotechnology
Biomechanics
Biomimetics
BioMEMS/MicroTAS/Lab on a Chip
Human Dynamics
Medical Devices & Artificial Organs

Micro/Nanotechnology & Emerging Technologies

Micro/Nano Systems
Micro/Nano Fabrication & Measurement
Micro/Nano Intelligent Technology
MEMS/NEMS/Commercialization Technology
Nanoimprint Technologies
Bottom-up Nanotechnology
SPM-Based Technologies
New Functional Devices
Computational Engineering & Physics

JSPE Membership

Membership is open to anyone interested in precision engineering.

There are three types of membership in JSPE:

Regular Membership, Corporate Membership, and Student Membership.

Membership is open to anyone interested in precision engineering:

all scientists, technicians, and engineers working in any aspect of precision engineering, and any students pursuing academic studies related to the field of precision engineering.

As a member you will receive the most up-to-date information about the precision engineering field.

- As a Regular Member, you will**
- have the opportunity to participate in JSPE's technical committees, tutorial lectures, symposia, plant tours, and exhibitions.
 - have the opportunity to participate in JSPE's technical committees, in which members from various fields collaborate on specific research and development projects.
 - have the opportunity to submit papers free of charge to JSPE's journals.
 - receive extensive information on precision engineering from Seimitsu-Kougakkai-Shi (i.e., Journal of the Japan Society for Precision Engineering) every month.
 - receive the latest information on precision engineering at the Spring and Autumn annual conferences as well as at local conferences.
 - receive access to the JSPE members-only website, which contains valuable content such as material from past events.
 - receive discounts on JSPE publications and Japanese Standards Association publications.
- As a Student Member, you will**
- receive the same benefits as Regular Members.
 - have the opportunity to attend JSPE's tutorial lectures and symposia at no cost. (The cost of textbooks is not included.)
- As a Corporate Member, you will**
- have the opportunity to attend JSPE's tutorial lectures and symposia at no cost. (The cost of textbooks is not included.)
 - receive the various benefits listed below (dependent on the registered membership class):

Item	Class AA	Class A	Class B	Class I	Class II	Web Class
Free participation tickets for JSPE Semestrial Meeting	10 (yearly)	5 (yearly)	2 (yearly)	1 (yearly)	–	–
Proceedings of JSPE Semestrial Meeting	2	1	1	–	–	–
Registration fee discount of JSPE Semestrial Meeting	○	○	○	○	○	○
Discounts participants for JSPE Semestrial Meeting, JSPE's seminars, etc.	○	○	○	○	○	○
Free participation tickets for JSPE's seminars	5 (yearly)	3 (yearly)	2 (yearly)	1 (yearly)	–	–
Textbooks of JSPE's seminars, etc.	1	1	1	1	1	–
Free Listings banner ad in JSPE's Web site	Fixed Display	Slide Show	Slide Show	–	–	–
Journal of the Japan Society for Precision Engineering (monthly)	5	5	3	2	1	–
Precision Engineering (quarterly)	1	1	1	1	1	–



An admission fees and Membership fees

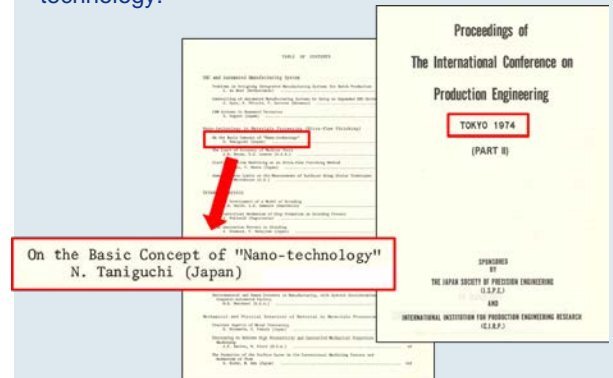
Membership types		Admission fees	Membership fees (per year)
Regular Member		500 yen	12,000 yen
Corporate Member	Class AA	500 yen	1,000,000 yen
	Class A	500 yen	500,000 yen
	Class B	500 yen	300,000 yen
	Class I	500 yen	200,000 yen
	Class II	500 yen	150,000 yen
	Web Class	–	50,000 yen
Student Member	Student	200 yen	6,000 yen
	Web Class	–	3,600 yen

The fiscal year is from February 1 to January 31 of the following year. Please choose "Corporate Membership" for corporate-based groups.

'Nanotechnology'

Professor Norio Taniguchi, who was 14th president of JSPE, presented the concept of nanotechnology in the first ICPE in 1974 (N. Taniguchi, On the Basic Concept of 'Nano-Technology', Proc. Intl. Conf. Prod. Eng. Tokyo, Part II, Japan Society of Precision Engineering, 1974, pp.18-23.). A brand new term of "nanotechnology" at that time has become so popular and common today.

After then, JSPE has been conducting intensive research on nano-scale fabrication and measurement technology.



How to Join

To join JSPE, please fill out an application form (http://www.jspe.or.jp/wp_e/join_e/application-form/) and send it via the web application, email, or fax.

The Japan Society for Precision Engineering

TEL : +81-3-5226-5191 / FAX : +81-3-5226-5192 / Email : jspe_jspe@jspe.or.jp
http://www.jspe.or.jp/wp_e/