

JSSE holds Spring Lecture Meeting and General Meeting

Jul. 1, 2016

The Japan Society of Spring Engineers (JSSE) held its semiannual Lecture Meeting, including a poster session, and Annual General Meeting at Tokyo Denki University in Tokyo on June 9.

Lecture Meeting

Eight general lectures and one special topic lecture were presented to 165 attendees in a hall on the Tokyo Senju Campus. The opening speech was presented by Dr. Hiroyuki Saitoh on behalf of Dr. Motoaki Osawa, a vice-chairperson of JSSE in charge of publication and a professor of Tokyo Denki University. Dr. Saitoh is a member of JSSE and a colleague of Dr. Osawa who was absent from the event to attend the funeral of his father in law.



Dr. Saitoh

Titles of General Lectures and Presenters

1. Effect of Silicon, Chromium and Molybdenum on Resistance to Temper Softening of High Carbon Martensitic Steel, by Shinya Teramoto of Nippon Steel & Sumitomo Metal Corporation.
2. Hydrogen Entry into High Strength Steels in Tribocorrosion Environment, by Kotaro Doi of National Institute of Materials Science.
3. Development of a Forming Method of Spring with High-rectangle-ratio Cross Section and Small Spring Diameter, by Takashi Kuboki of The University of Electro-Communications.
4. Evaluating Compressive Residual Stress Depth Distribution by Eddy Current, by Yoshiyasu Makino of Sintokogio, Ltd.
5. Study on Distinction and Extracting Technique for Fracture Surface Morphology, by Akira Ueno of Ritsumeikan University.

6. Cold Rolling Effect to Stiffness, by Takuro Aiki of Hayamizu Hatsujo Co., Ltd.
7. Finite Elements for Spiral Springs, by Takuro Matsumoto of Hayamizu Hatsujo Co., Ltd.
8. Analysis of Nonlinear Large Deformations in Japanese Bows, by Atsumi Ohtsuki of Meijo University



Special Topic Lecture

Title: Present Status of Aircraft Industry

Lecturer: Mr. Yukio Sawa of Mitsubishi Heavy Industries, Ltd.

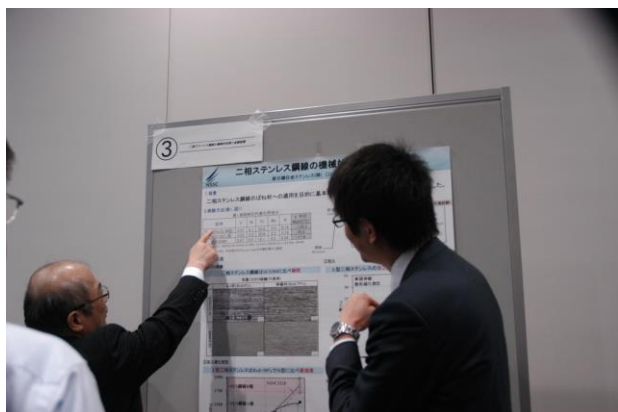
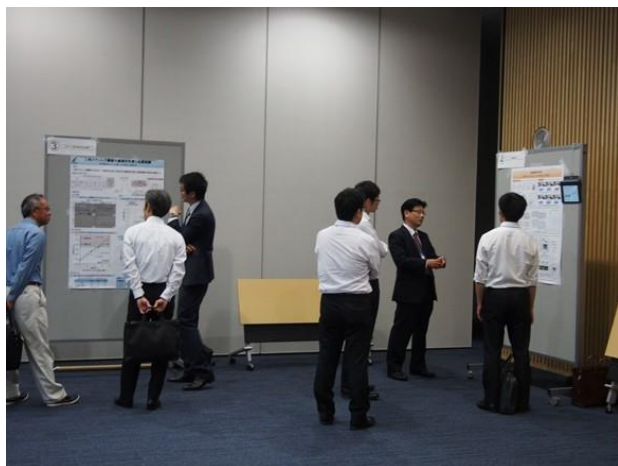


Mr. Sawa

Poster Session

Six technical posters were displayed in another hall on the same campus. A brief explanation was given by a representative for each of the posters on the speaker's platform for the lecture meeting, followed by question and answer session at the

posters. The top two posters were selected based on the participants' voting.



Q & A Session at the Posters

The First Place Poster:

Mechanical Properties and Metallographic Structure of Duplex Stainless Steel, by Shota Yamasaki of Nippon Steel & Sumikin Stainless Steel Corporation, et al.

The Second Place Poster:

Discovery of Organo-superelasticity, by Satoshi Takamizawa of Yokohama City University, et al.

Presentation Ceremony of Certificates of Spring Technological Heritage

Five certificates of Spring Technological Heritage were presented to four spring manufacturers to express JSSE's appreciation for their preservation of springs and machines of historical value. The awarded springs and machines are as follows:

- 1) Three-leaves Leaf Spring for the first-generation Toyota Crown made by NHK Spring Co., Ltd. (NHK Spring Co., Ltd.)

- 2) Torsion Bar Spring for Subaru 360 made by NHK Spring Co., Ltd. (NHK Spring Co., Ltd.)
- 3) Torsion Machine TC-B2 made by Tokyo Coiling Machine Manufacturing Co., Ltd. (Miyagawa Spring Industry Co., Ltd.)
- 4) Compact Material Testing Machine made by Fujii Precision Machine Co., Ltd. (K. K. Taga Co., Ltd.)
- 5) Multi-forming Machine ZUB-200 made by Teijin Manufacturing Co., Ltd. (Tokuhatsu-Sankyo Co., Ltd.)



Recipients of the Certificates



Closing Speech by Dr. Nakasone, JSSE Chairperson

Annual General Meeting

The annual general meeting was held after the closing speech of the lecture meeting presented by Dr. Yuji Nakasone, JSSE chairperson and a professor of Tokyo University of Science, in a conference room on the same campus. The meeting was led by Mr. Hideo Yamamoto, an advisor to JSSE and a vice president of Horikiri Inc. During the meeting, six proposals, 2015 Annual Business Report, 2015 Settlement of Balance Report, 2016 Annual Business Plan, 2016 Budget, Amendment on JSSE Bylaw and Replacement of Trustees, were approved.



General Meeting



Mr. Tamamura

Reception

A reception was held after the Annual General Meeting in the same hall where the posters were displayed. Dr. Masao Hayakawa, a vice-chairperson of JSSE in charge of research activities and a head researcher of National Institute of Materials Science, made the opening speech, followed by the guest speech by Mr. Kazumi Tamamura, the chairperson of the Japan Spring Manufacturers Association (JSMA) and the president of NHK Spring Co., Ltd.



Dr. Hayakawa

Dr. Katsuji Tosha, a former JSSE chairperson and an adviser to JSSE, made a toast to the development of the spring industry and the participants' health.



Dr. Tosha