

## JSSE holds Spring Lecture Meeting and General Meeting

Jul. 17, 2014

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 5th.

### Lecture Meeting

Eight general lectures and one special topic lecture were presented to 164 attendees in a hall on the Tokyo Senju Campus of Tokyo Denki University. The opening speech was presented by Mr. Satoshi Suzuki, a vice-chairperson of JSSE in charge of events and a director of Chuo Spring Co., Ltd.



Mr. Suzuki

- Springs, by Takuro Aiki of Hayamizu Hatsujo Co., Ltd.
7. Evaluation of Shotpeening Quality utilizing Positron Annihilation Technique, by Kanehisa Hattori of Toyo Seiko Co., Ltd.
  8. Suggestion of Paint Applied to Leaf Spring for Shortening the Processes, by Masahiko Kitayama of Dai Nippon Toryo Co., Ltd.



### Titles of General Lectures and Presenters

1. Development of High Performance Stainless Steel Sheet for Heat Resistant Gasket, by Mr. Yuichi Fukumura of Nippon Steel & Sumitomo Metal Corporation
2. Effect of Oxidation on Fatigue Fracture Morphology Accompanying Fish-eye of Austenitic Stainless Steel at 700 deg. C, by Yukio Takahashi of Chuo University
3. Stress Intensity Factor Analysis of Surface Flaw by using X-FEM, by Junichi Nakano of NHK Spring Co., Ltd.
4. Development of Anti-vibration Cushion Wire in Transmission System, by Shingo Unigame of Honda R&A Co., Ltd.
5. A Method for Assembly Analysis of Round Bar Rail Clips using Nonlinear Elastic-plastic Dynamic Explicit FEM, by Yuuki Nishinomiya of Railway Technical Research Institute
6. On the Design Formulas of Constant Torque

### Special Topic Lecture

Title: Present Status and Future Issues of Heat Treatment in Japan

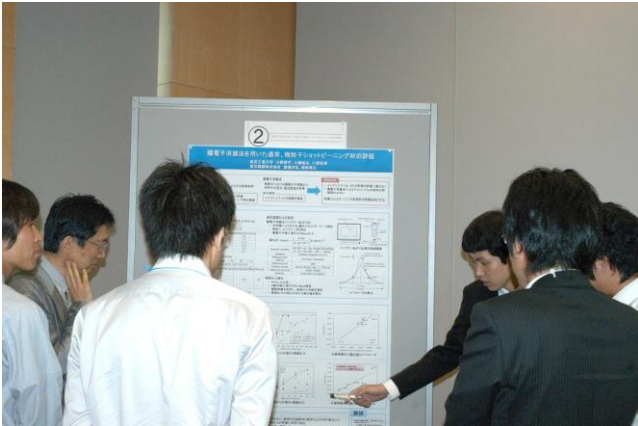
Lecturer: Dr. Kazuhiro Kawasaki of Japan Society for Heat Treatment and a Senior Managing Director of Netsuren Co., Ltd.



Dr. Kawasaki

## Poster Session

Five 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 followed by Question and Answer sessions at the posters. The top two posters were selected based on the participants' voting.



Q & A Sessions at the Posters

### The First Place Poster:

Evaluation of Fatigue Crack Propagation Characteristics of SWOSC-V High Cleanliness Valve Spring Steel by Real Time Observation of the Fatigue Crack, Tatsuhiko Iwashita of Ritsumeikan University, et al.

### The Second Place Poster:

Development of Technology to Render Fatigue Crack on Welded Area, by Ryutaro Fueki of Yokohama University, et al.

## Presentation Ceremony of Certificates of Spring Technological Heritage

Five certificates of Spring Technological Heritage were presented to one spring manufacturer and three spring machine manufacturers to express JSSE's appreciation for their preservation of machines of historical value. The five machines and their owners are as follows:

- 1) VF-615FT Universal Machine made by Shinko Machinery Co., Ltd. (Shinko Machinery Co., Ltd.)
- 2) VF-800MFT Universal Machine made by Shinko Machinery Co., Ltd. (Shinko Machinery Co., Ltd.)
- 3) D-7 Coiling Machine made by Itaya Engineering

Ltd. (Takahashi Spring Co., Ltd.)

- 4) MCS-15 CNC Spring Forming Machine made by Itaya Engineering Ltd. (Itaya Engineering Ltd.)
- 5) MF-7 Hook Forming Machine made by Matsuoka Engineering Co., Ltd. (Orii & Mec Corporation)



Recipients of the Certificates



Closing Speech by Dr. Tosha, JSSE President

## Annual General Meeting

The annual general meeting was held following the lecture meeting in a conference room on the same campus. The meeting was led by Mr. Sugawara, a trustee of JSSE in charge of general affairs and a general manager of Horikiri Inc. During the meeting, five proposals, 2013 Annual Business Report, 2013 Settlement of Balance Report, 2014 Annual Business Plan, 2014 Budget and Replacement of Trustees, were approved.



General Meeting



Mr. Ito

### Reception

A reception was held after the Annual General Meeting in the same hall where the posters were displayed. Dr. Motoaki Osawa, a vice-chairperson of JSSE in charge of publication and a professor of Tokyo Denki University, made the opening speech, followed by the guest speech by Mr. Masayuki Ito, the chairperson of general affairs committee of Japan Spring Manufacturers Association (JSMA).

Dr. Kenji Kanazawa, an honorary member of JSSE, made a toast to the development of the spring industry and the participants' health.



Dr. Kanazawa



Dr. Osawa