

JSSE holds Spring Lecture Meeting and General Meeting

Jul. 14, 2015

Japan Society of Spring Engineers (JSSE) held its semiannual Lecture Meeting, including a poster session, and Annual General Meeting at the WINC AICHI in Nagoya on June 12th.

Lecture Meeting

Eight general lectures, one research committee report and one special topic lecture were presented to 161 attendees in a hall of the WINC AICHI. The opening speech was presented by Mr. Isao Otani, a vice-chairperson of JSSE in charge of general affairs and a managing officer of NHK Spring Co., Ltd.



Mr. Otani

Titles of General Lectures and Presenters

1. Synthesis of Carbon Nano Coil and Its Mechanical Property, by Yoshiyuki Suda of Toyohashi University of Technology
2. Relation between Magnetization and Setting in Spring Steel, by Shigeo Kotake of Mie University
3. Analysis of Nonlinear Deformations in a Coiled Wave Spring (CWS), by Atsumi Ohtsuki of Meijo University.
4. Simplified Design Formulae for Contact-type Spiral Springs, by Takuro Matsumoto of Hayamizu Spring Co., Ltd.
5. A Trial Plan regarding the Rigidity of Cold Rolled Steel, by Masayoshi Shimoseki of Nihon University
6. Effects of Young's Modulus on the Flexural Rigidity of Cold Rolled Steel, by Takuro Aiki of Hayamizu Hatsujo Co., Ltd.
7. FEM Analysis of Plastic Deformation caused by Micro-shot Peening and the Effect of Structural

Refinement caused by Micro-shot Peening on Fatigue Strength, by Takaki Yokoi of Togo Seisakusho Corporation

8. Effects of Hardness on Improving Fatigue Limit of Steel with a Crack by Shot Peening, by Keiji Houjou of Oyama National College of Technology.
9. Report from the Research Committee on Fatigue Limit Diagram of Compression Coil Springs, by Hiroyuki Suzuki of Piolax Inc. and a vice-chairperson of the committee.



Special Topic Lecture

Title: Controlled Suspension for Automobiles
Lecturer: Mr. Hirofumi Inoue of Toyota Motor Corporation



Mr. Inoue

Poster Session

Five technical posters were displayed in another hall of the same building. 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:

Foundation Study for Capturing Character of a Fracture Surface to Determine the Fracture Type, by Akira Ueno of Ritsumeikan University, et al.

The Second Place Poster:

Improvement of Fatigue Limit of a Welded Joint by Shot Peening and Development of Quantitative Prediction Method of the Improvement, by Ryutaro Fueki of Yokohama University, et al.



Prof. Ueno (left) and Dr. Tosha: JSSE President



Mr. Fueki (left) and Dr. Tosha: JSSE President



Closing speech by Dr. Tosha

Annual General Meeting

The annual general meeting was held following the lecture meeting in a conference room in the same building. The meeting was led by Mr. Hideki Yamamoto, an advisor to JSSE and a vice president of Horikiri Inc. During the meeting, five proposals, 2014 Annual Business Report, 2014 Settlement of Balance Report, 2015 Annual Business Plan, 2015 Budget and Election of Trustees, were approved.

Reception

A reception was held after the Annual General Meeting in the same hall where the posters were displayed. Dr. Yuji Nakasone, a new chairperson of JSSE and a professor of Tokyo University of Science, made the opening speech, followed by the guest speech by Mr. Nobumichi Ohno, the chairperson of Japan Spring Manufacturers Association (JSMA) and the president of Mitsubishi Steel Manufacturing Co., Ltd.



Dr. Nakasone



Mr. Ohno

Mr. Susumu Yamamoto, an honorary member of JSSE, made a toast to the development of the spring industry and the participants' health.



Mr. Yamamoto