

JSSE holds Spring Lecture Meeting and General Meeting

June. 4, 2019

The Japan Society of Spring Engineers (JSSE) held its semiannual Lecture Meeting, including a poster session, and Annual General Meeting at Meiji University in Tokyo on June 4.

Lecture Meeting

Eight general lectures and one special topic lecture were presented to 143 attendees in a hall on the Tokyo Surugadai Campus of the Meiji University. The opening speech was presented by Mr. Haruhiko Shiba, a Vice-Chairperson of JSSE in charge of research activities and a Managing Officer, Member of the Board of Chuo Spring Co., Ltd.



Mr. Haruhiko Shiba

Titles of General Lectures and Presenters

1. Hydrogen Embrittlement Resistance of Ti -B Added High Strength Steel for Leaf Spring, by Mr. Hiroaki Suzuki of Aichi Steel Corporation.
2. Effect of Mo on nitriding kinetics of high carbon steel wire rods, by Mr. Masato Yuya of Nippon Steel Corporation.
3. The characteristics of stainless steel wire for springs by using duplex stainless steel, by Mr. Hiroyuki Enokida of Suzuki-Sumiden Stainless Steel Wire Co., Ltd.
4. Phase transformation of austenitic steel 316L on micro shot peening process, by Dr. Hatsuhiko Usami of Meijo University.
5. Improvement in Fatigue Limit by Ultrasonic Shot Peening for High Strength Steel Containing Crack-like Surface Defect, by Dr. Hideki Okada of NHK Spring Co., Ltd.
6. X-ray Triaxial Residual Stress Measurement of Spring Steel with Shot-peening by The Cos(α) Method, by Mr. Tomohiro Yamazaki of Mitsubishi Steel MFG. Co., Ltd.

7. Nonlinear Analysis of Large Deformation in a Flexible Thin Circular Ring (In the Case of Lower End Support), by Dr. Atsumi Ohtsuki of Meijo University.
8. Influence of crystal structure of nitrided compound layer on torsional fatigue strength of SCM435, by Yoshitomi Yamada of Isuzu Motors Limited.



Special Topic Lecture

Title: Railway Bogie - Suspension system and recent development

Lecturer: Mr. Takuji Nakai of Nippon Steel Corporation.



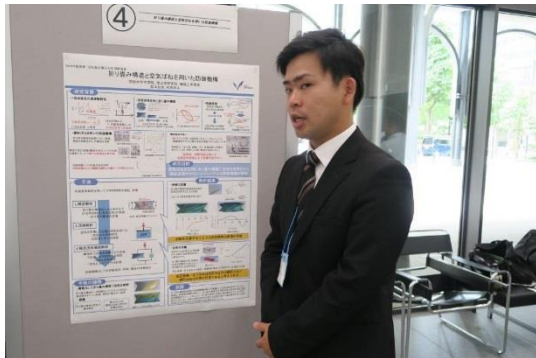
Mr. Takuji Nakai

Poster Session

Six technical posters were displayed in the same hall. 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.



Mr. Takehiro Ishii



Mr. Kazuya Inamoto

The First Place Poster:

Evaluation of Effect of Small Defects on Fatigue Limit of Spring Steel, by Mr. Takehiro Ishii of Yokohama National University, et al.

Second Place Poster:

Vibration Isolator Using Foldable Structure and Air Spring, by Mr. Kazuya Inamoto of Meiji University, et al.

Presentation Ceremony of Certificates of Spring Technological Heritage

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

- 1) Coiling Process Controller, SCD-5, owned by Itaya Engineering Ltd.
- 2) Coiling Machine, VF-712ST, owned by Shinko Machinery Co., Ltd.
- 3) Spring Clamps for liquid lines, manufactured by Togo Seisakusyo Corporation.
- 4) Karakuri puppets, Bow shooting boy and Calligrapher doll, owned by Kurume City.



SCD-5



VF-712ST,



Spring Clamps



Bow shooting boy



Calligrapher doll



Recipients of the Certificates



Dr. Yuji Nakasone

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 the same room. The meeting was led by Mr. Yoshiharu Sugawara, a Director of JSSE and a Technical Director and Sales Procurement Director of Horikiri Inc. During the meeting, six proposals, 2018 Annual Business Report, 2018 Settlement of Balance Report, 2019 Annual Business Plan, 2019 Budget, Recommendations of Honorary Members and Re-election of Officers were approved.



General Meeting

Reception

A reception was held after the Annual General Meeting in a hall in the same campus. Dr. Masao Hayakawa, a new Chairperson of JSSE just approved by the general meeting and a Head Researcher of National Institute for Materials Science, made the opening speech, followed by the guest speech by Mr. Masahiko Nakatani, an Executive Director of the Japan Spring Manufacturers Association (JSMA.)



Dr. Masahiko Hayakawa



Mr. Masahiko Nakatani

Dr. Akira Tange, an Honorary Member of JSSE, made a toast to the development of the spring industry and the participants' health.



Dr. Akira Tange

As time passed with active information exchange and chatting, the reception was over with closing talk by Mr. Noriyasu Kaga, a Director of JSSE and a Manager of Mitsubishi Steel MFG. Co., Ltd. after a leaving speech by Dr. Motoaki Osawa, just left Vice-Chairperson of JSSE and a Professor of Tokyo Denki University.



Dr. Motoaki Osawa