

JSSE holds Autumn Lecture Meeting

Nov. 08, 2019

The Japan Society of Spring Engineers (JSSE) held its semiannual Lecture Meeting, including a poster session, and a ceremony of JSSE Awards at Winc Aichi on November 8, 2019.

Lecture Meeting

Eight general lectures and one special topic lecture were presented to 154 attendees in a hall of the Winc Aichi. An opening speech was delivered by Mr. Haruhiko Shiba, Vice-Chairperson of JSSE and Managing Officer, Member of the Board of Chuo Spring Co., Ltd.



Mr. Haruhiko Shiba, Vice-Chairperson of JSSE

Titles of General Lectures and Presenters

1. Development and Application of TiNi Shape Memory Exhibiting Two-Way Recovery Force, by Dr. Ryosuke Matsui, Associate Professor of Aichi Institute of Technology.
2. High-strength Hard Drawn Having Excellent Fatigue Strength and Settling Resistance, by Mr. Taichi Okada of Sumitomo Electric Industries, Ltd.
3. Influence of Low Temperature Annealing on Uniaxial Compressive Strength of a Cold-rolled Stainless Steel Sheet, by Dr. Takayuki Koizumi, Research Associate of Polytechnic University (Japan Organization for Employment of the Elderly, Persons with Disabilities and Job Seekers.)
4. Optimal Design of a Hysteretic Damped Dynamic Vibration Absorber, by Dr. Toshihiko Asami, Professor of University of Hyogo.
5. An Innovative Approach to Large Deformations of Guide Wire in Blood Vessel, by Dr. Atsumi Ohtsuki, Professor of Meijo University.

6. Influence of Microstructure on Fatigue Strength of Spring Steel, by Dr. Takayuki Sakakibara of Chuo Spring Co., Ltd.
7. Effect of micro shot peening on fatigue strength and Metal structure evaluation by Synchrotron Radiation, by Mr. Takaki Yokoi of Togo Seisakusyo Corporation.
8. Fabrication of Carbon Nanocoil and its Manipulative Observation, by Dr. Hirofumi Takikawa, Professor of Toyohashi University of Technology.



Special Topic Lecture

Title: GR SUPRA.

Lecturer: Mr. Toshiaki Noda, Project General Manager of Toyota Motor Corporation.



Mr. Toshiaki Noda

Poster Session

Eight technical posters were displayed in another 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. Masao Okumura



Mr. Kohei Basaki

The First Place Poster:

Improvement of Corrosion Fatigue Properties of TiNi Shape Memory Alloy by Ultrasonic shot Peening, by Mr. Masao Okumura of Aichi Institute of Technology, et al.

The Second Place Poster:

Evaluation of Plastic Deformation of Steel Around Charpy Fracture Surface by Residual Magnetization, by Mr. Kohei Basaki of Mie University, et al

Ceremony of JSSE Awards

The awarding ceremony was held prior to the afternoon session of the lecture meeting. *Ronbun-prize*, *Gijutu-prize* and *Koseki-prize* were given to the winners.

Ronbun-prize, (among papers submitted to JSSE):

Effect of Carbide Precipitation on Mechanical Properties of Si-added Middle Carbon Martensitic Steels, by Dr. Takahisa Suzuki, Dr. Shinya Teramoto and Dr. Yutaka Neishi of Nippon Steel Corporation.

Gijutu-prize, (among other papers or articles)

1) Nonlinear Dynamic Analysis of a Japanese Bow (Nonlinear Spring Characteristics and Dynamic Behavior), by Dr. Atsumi Ohtsuki, Professor of Meijo University and Dr. Shigemichi Ohshima, Professor of Meijo University.

2) Quantitative Evaluation of Influence of Surface Defects on Fatigue Limit of Nitrided Steel, by Mr. Jun Konya of Yokohama National University, Dr. Yoshitomi Yamada of Isuzu Motor, Ltd. and Dr. Koji Takahashi, Professor of Yokohama National University.

Koseki-prize, (among honorable achievements)

Dr. Yuji Nakasone (Tokyo University of Science)
Dr. Yasunori Harada (University of Hyogo)
Dr. Yoshihiro Watanabe (Toyo Seiko Co., Ltd.)
Dr. Kazuyoshi Nono (Chuo Spring Co., Ltd.)
Mr. Takaaki Tsuyama (Goto Industry Co., Ltd.)



Winners of the Prizes



Dr. Hayakawa, JSSE Chairperson

Banquet

A banquet was held after the closing speech delivered by Dr. Masao Hayakawa, JSSE President and Chairman of the Researcher of National Institute for Materials Science, in another hall.

Dr. Akira Ueno, Vice-Chairperson of JSSE and Professor of Ritsumeikan University made an opening speech. This was followed by the guest speech by Mr. Osamu Yoshida, Director of the Japan Spring Manufacturers Association (JSMA) and Chief Executive Officer of Chita Kogyo Co., Ltd.



Dr. Akira Ueno, Vice-Chairperson of JSSE



Mr. Osamu Yoshida

Mr. Susumu Yamamoto, Honorary Member of JSSE, made a toast to the development of the spring industry and the participants' good health. This was followed by the guest speeches delivered by the winners of the prizes.



Mr. Susumu Yamamoto



Dr. Takahisa Suzuki

After plenty of mingling and exchanging of information, the banquet was over with “Sanbon-Jime,” which consists of three times of three sets of three claps and one final clap, led by Mr. Shuzo Ichi, Director of JSSE and Managing Director of Togo Seisakusyo Corporation.



Mr. Shuzo Ichi