

## JSSE holds Spring Lecture Meeting and General Meeting

June. 7, 2023

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 7.

### Lecture Meeting

Eight general lectures, one report on Committee for Selecting Spring Technological Heritage and one special topic lecture were presented to 100 attendees in a hall on the Tokyo Surugadai Campus of the Meiji University. The opening speech was presented by Mr. Kei Watanabe, a Vice-Chairperson of JSSE and an Operating Officer of Chuo Spring Co., Ltd.



Mr. Kei Watanabe

7. Reduction of residual stress in aluminum alloys by ultrasonic irradiation, by Mr. Yohei Yamaguchi of Aichi Institute of Technology.

8. Influence of Shot Peening Conditions on Harmless Surface Defect size in Carburized Steel, by Mr. Toshiya Tsuji of Sintokogio, Ltd.

Report on Committee for Selecting Spring Technological Heritage, by Mr. Kazuyoshi Nono of Chuo Spring Co., Ltd.



### Titles of General Lectures and Presenters

1. Ground Springs in Seismic Calculation of Communication Conduits, by Mr. Masaru Okutsu of Nippon Telegraph and Telephone Corporation.
2. Remanufacturing for Friction fatigued Carburized Steel by Laser Hardening, by Mr. Tomohisa Kanazawa of Hitachi Construction Machinery Co., Ltd.
3. In Situ Creep Life Prediction for Weld Joint of Modified 9Cr-1Mo Steel, by Dr. Yuji Nakasone of Tokyo University of Science.
4. Breakthrough Analysis on Large Deformation of Zig-zag Spring Based on the Nonlinear Deformation Theory, by Dr. Ohtsuki Atsumi of Meijo University.
5. Overview of Railway Quality Management System, by Mr. Naoki Aihara of Railway Technical Research Institute.
6. Residual stress measurement of shot peened suspension spring by X-ray cosa method, by Mr. Tomohiro Yamazaki of Mitsubishi Steel MFG. Co., Ltd.

### Special Topic Lecture

Title: Regarding Carbon neutrality initiatives in Honda

Lecturer: Mr. Kenichi Kawasaki of Honda R&D Co., Ltd. Material Research Center, Regenerative Material Research Division

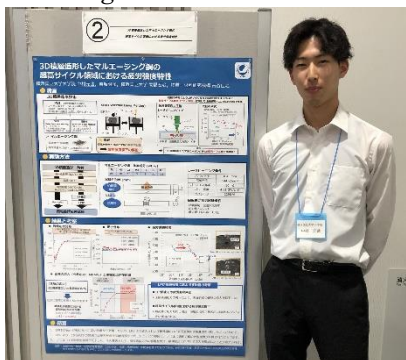


Mr. Kenichi Kawasaki

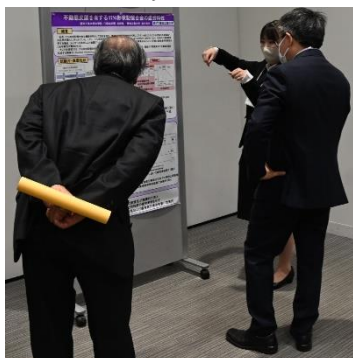
### Poster Session

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. Genya Nakamura



Ms. Hiwa Hashimoto

**The First Place Poster:**

Rotating bending fatigue strength of additive manufactured maraging steel in very high cycle fatigue regime, by Mr. Genya Nakamura of Yokohama National University, et al.

**Second Place Poster:**

Fatigue Properties of TiNi Shape Memory Alloy with Passive Layer, by Ms. Hiwa Hashimoto of Aichi Institute of Technology, et al.



Dr. Masao Hayakawa

**Annual General Meeting**

The annual general meeting was held after the closing speech of the lecture meeting presented by Dr. Masao Hayakawa, JSSE Chairperson and a Chairman of the Researcher of National Institute for Materials 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, five proposals, 2022 Annual Business Report, 2022 Settlement of Balance Report, 2023 Annual Business Plan, 2023 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. Mitsuo Notomi, a new Chairperson of JSSE just approved by the general meeting and a Professor of Meiji University, made the opening speech, followed by the guest speech by Mr. Akira Umetani, a Technical Director of the Japan Spring Manufacturers Association (JSMA.) and another guest speech by Mr. Kouichi Tsuchiya, a Chairman of Association of Shape Memory Alloys (ASMA.)



Dr. Mitsuo Notomi



Mr. Akira Umetani



Mr. Kouichi Tsuchiya

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



Dr. Katsuji Tosha

As time passed with active information exchange and chatting, the reception was over with “Ippon Jime” which consists of just one clap, led by Mr. Toru Shiraishi, a Director of JSSE and a Manager of NHK Spring Co., Ltd.



Mr. Toru Shiraishi