

2015 HYDROGENIUS & I2CNER Tribology Symposium

Time & Date: 13:00~18:15, February 4 (Wed.), 2015

Venue: Siike Hall, Kyushu University Ito Campus

Program

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- 13:00-13:10 Opening Remarks: Joichi Sugimura, Kyushu University
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- Oral Session 1** Chairman: Kanao Fukuda
- 13:10-13:50 **Keynote Lecture 1 :**
Graphene: A new emerging lubricant
Anirudha V. Sumant, Argonne National Laboratory, USA 1
- 13:50-14:30 **Keynote Lecture 2 :**
Tribological Properties of MoS₂-containing hydrogenated DLC coatings
Takanori Takeno, Koshi Adachi, Tohoku University, Japan
- 14:30-14:55 **Invited Talk:**
Effect of Hydrogen concentration of DLC films on tribo-chemical activity of sliding surface for lubricant additives
Shinya Sasaki, Tokyo University of Science, Japan
- 14:55-15:20 **Invited Talk:**
Development Status of Reusable Sounding Rocket Engine and it's tribological subjects
Makoto Yoshida, Satoshi Takada, Japan Aerospace Exploration Agency, Japan.....
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- Poster session** 15:20-16:00
- Details to be announced.
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- Oral Session 2** Chairman: Yoshinori Sawae
- 16:00-16:40 **Keynote Lecture 3 :**
WS2 nanoadditized lubricant for applications affected by hydrogen embrittlement
Monica Ratoi, University of Southampton, UK.....
- 16:40-17:20 **Keynote Lecture 4 :**
Effect of Fillers on the Antiwear Properties of PTFE
Yoshinori Takeichi, Toyohashi University of Technology, Japan.....
- 17:20-17:45 **Invited Talk:**
The surface damage of A6061-T6 aluminum alloy on the tribological Properties of PTFE under hydrogen environment
Tomoaki Iwai, Takaya Ueda, Yutaka Shoukaku, Kanazawa University, Japan
- 17:45-18:10 **Invited Talk:**
Dynamic friction in O-rings
Tetsuo Yamaguchi, Koki Sugita, Takehiro Morita, Shin Nishimura, Yoshinori Sawae, Kyushu University, Japan.....
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- 18:10-18:15 Closing Remarks: Joichi Sugimura, Kyushu University
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