

OS23: IFS Lyon Center Collaborative Research Forum

November 11, 2022

EX-2

- OS23-1 **Ferromagnetic-based Actuation for Electrical Protection**
14:50-15:10 Mickaël Lallart (INSA Lyon, France), Gaël Sebald (ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, Japan), Hiroyuki Miki (Ishinomaki Senshu University, Japan)
- OS23-2 **Magnetization Mechanisms for the Non-Destructive Evaluation of Ferromagnetic Steel**
15:10-15:30 Benjamin Ducharne (ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, Japan / INSA Lyon, France), Shurui Zhang (Tohoku University, Japan / INSA Lyon, France), Sho Takeda (Tohoku University, Japan), Gael Sebald (ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, Japan), Tetsuya Uchimoto (ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University / Tohoku University, Japan)
- OS23-3 **Comparison of Ultrasonic Attenuation by Different Pitches on Periodic Rough Surface**
15:30-15:50 Kazuma Terada, Hiroyuki Nakamoto (Kobe University, Japan), Philippe Guy (INSA Lyon, France), Tetsuya Uchimoto (Tohoku University / ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, Japan)
- OS23-4 **Role of Charge Carriers in the Bending of Dielectric Elastomers**
15:50-16:10 Gildas Coativy, (INSA Lyon, France), Kaori Yuse (INSA Lyon / Lyon Center, IFS - Tohoku University, France), Gildas Diguët (Tohoku University, Japan), Véronique Perrin, Laurence Seveyrat, Florent Dalmas (INSA Lyon, France), Sébastien Livi (Université de Lyon, France), Joël Courbon (INSA Lyon, France), Hidemasa Takana (Tohoku University, Japan), Jean Yves Cavaille (Lyon Center, IFS -Tohoku University / ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, France)
- OS23-5 **Coupled Computing of Fluid-Structure Interaction Problems for Multiphase Energy Systems**
16:30-16:50 Jun Ishimoto (Tohoku University, Japan), Thomas Elguedj (INSA de Lyon, France)

- OS23-6
16:50-17:10 **Heat Exchange in Caloric Regenerators: from CFD Preliminary Analysis to Cooling Applications**
Giulia Lombardi (Tohoku University / ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, Japan), Gael Sebald, Atsuki Komiya, Sze Xuen Wway (Tohoku University, Japan), Gildas Coativy, Jacques Jay (INSA Lyon, France)
- OS23-7
17:10-17:30 **Evolution of the Polymer Particle Thermal History During Cold Spray Process**
Chrystelle Bernard (Tohoku University / ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University, Japan), Hidemasa Takana (Tohoku University / Lyon Center, IFS-Tohoku University, Japan), Gildas Diguët (Tohoku University, Japan), Olivier Lame (Université de Lyon, France), Kazuhiro Ogawa (ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University / Tohoku University, Japan), Jean-Yves Cavaillé (ELyTMax IRL3757, CNRS, Univ. Lyon, INSA Lyon, Centrale Lyon, Université Claude Bernard Lyon 1, Tohoku University / Lyon Center, IFS-Tohoku University, France)
- OS23-8
17:30-17:50 **Modal Approach for Extracting Flow Structure Related to the Subsonic Jet Noise Generation**
Shota Morita, Aiko Yakeno (Tohoku University, Japan), Christophe Bogey (Ecole Centrale de Lyon, France), Shigeru Obayashi (Tohoku University, Japan)
- OS23-9
17:50-18:10 **Transition of Atmospheric Shear Flow Investigated by Sensitivity Analysis**
Ryoichi Yoshimura, Aiko Yakeno (Tohoku University, Japan), Benoit Pier, Frederic Alizard (Ecole Centrale de Lyon, France), Shigeru Obayashi (Tohoku University, Japan)