

Second Workshop Lyon Center

November 20th 2018

Place: Ecole Centrale de Lyon

Amphitheater 203, in Building W1 (upper floor)

Organized with ELYT Global and ELYTMAX, with INSA Lyon and IFS, Tohoku University

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| 9:15 | Tetsuya UCHIMOTO, IFS, TU Introduction of Lyon Center |
| 9:45 | Geneviève FORAY, MATEIS, INSA, UCB, CNRS Silica Aerogels |
| 10:15 | Philippe GUY, LVA, INSA PYRAMID Project |
| 10:45 | Break |
| 11:00 | Makoto OHTA, IFS, TU A Model for Fluid evaluation of medical devices |
| 11:30 | Nicolas RIVIÈRE, LMFA, ECL, UCB, INSA, CNRS Mixing downstream an open-channel confluence |
| 12:00 | Takashi TOKUMASU, IFS, TU Activities of Tokumasu Laboratory - Collaboration with Lyon - |
| 12:30 – 14:00 | LUNCH hall of Building TMM (new LTDS Building) / Posters |
| 14:00 | Hiroki NAGAI, IFS, TU Numerical Analysis of Oscillating Heat Pipe |
| 14:30 | Daniel NÉLIAS, LaMCoS, INSA, CNRS Cavitation Peening |
| 15:00 | Break |
| 15:15 | Jun ISHIMOTO, IFS, TU Coupled FSI computing for resilient energy systems and disaster science |
| 15:45 | Julien FONTAINE, LTDS, ECL, ENISE, CNRS Diamond like Carbon |
| 16:15 | Atsuki KOMIYA, IFS, TU Experimental trial of crystal growth control using functional membranes |
| 16:45 | Concluding remarks |
| 17:00 | End |
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Posters (Japanese side)

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| Uchimoto Lab., GSE, TU | Evaluation of Water Uptake in Anti-Corrosion Polymer Coating by Capacitance Measurement | Lucas Ollivier-Lamarque |
| Ohta Lab., GSE, TU | Tribological aspects of composite materials for bone bio-models: the effects of temperature elevation during drilling | Yuta MURAMOTO |
| | Development of 3D printer for PVA-H blood vessel model | Ryota NAGANO |
| Tokumasu Lab., GSE, TU | Molecular analysis of oxygen gas transport in catalyst layer of PEMFC | Masataka NAKAUCHI |
| | Scattering properties of gas molecules on water adsorbed surfaces in Couette flow with heat transfer | Naoya UENE |
| | Molecular analysis of proton transport in polymer electrolyte membrane containing cerium ions | Kyohei ISHIKAWA |
| | Molecular analysis of transport characteristics of Li-ion in solid-state electrolyte Li7La3Zr2O12(LLZO) | Koki NAKAJIMA |
| Nagai Lab., GSE, TU | Numerical Investigation of Temperature Oscillation in a Loop Heat Pipe | Takuya ADACHI |
| Komiya Lab., GSE, TU | High-speed measurement of transient heat and mass transfer for evaluation of rate-determining step of gas hydrate dissociation | Yuki KANDA |
| | Evaluation of the influence of membrane structure on mass flux under hindered diffusion process | Ryo WATANABE |

GSE: Graduate School of Engineering, Tohoku University

Posters (French side)

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| Riviere's Team, LMFA, INSA | Mixing downstream river confluences: numerical simulation and field measurements | Sébastien POUCHOULIN |
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