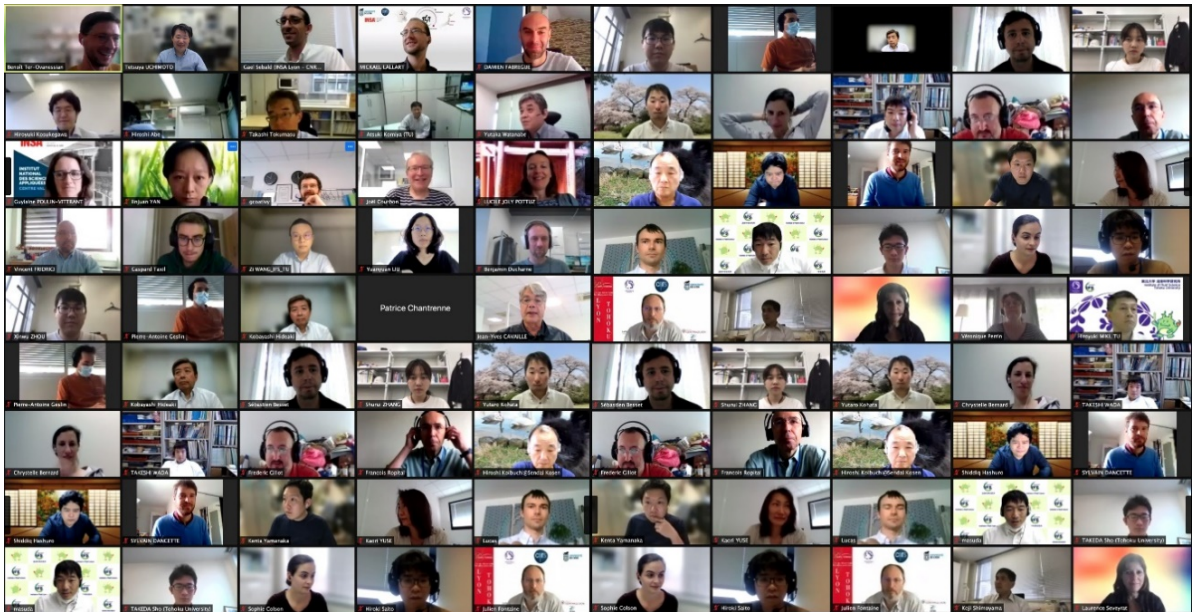


ELyT Workshop 2021

Due to the pandemic of Covid-19, ELyT Workshop 2021 was held online, from June 21 to 25, 2021. The workshop gathered 123 participants (63 from Japan, 60 from France), and consisted of 3 invited talks, 29 oral presentations, 4 virtual lab tours or live experiments, 6 posters and 1 panel discussion. As with the previous workshops, we were able to share the results of collaborative research and have very fruitful discussions for the future.



Lyon Center
Institute of Fluid Science, Tohoku University

LyonSE&N – ELYT workshop 2021

Online but not lifeless

Collaborations and friendships are stronger than any pandemic situation. Following the success of remote collaborations in this unprecedented situation, ELYT/LyonSE&N workshop is maintained this year as a virtual conference. For sure, the objectives of showing common research results and exchanging great ideas and more altogether will resist to the physical, but not human, distances.

Venue

Conference presentations will be held using Zoom.

Link will be sent upon registration.



Show your lab and experiments!

Dedicated slots will be devoted to Lab. tours. If you want to show your premise and outstanding equipment, feel free to contact us.

Also, live demonstration of experiments during talks are encouraged!

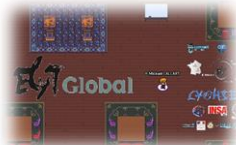


Celebrating ELYT Global renewal and Core-to-Core program

2021 is also a special year in the sense that ELYT Global has been renewed as an International Research Network (IRN), while Tohoku IFS was awarded a Core-to-Core (C2C) program on "Construction of an international research exchange center for ammonia combustion and materials toward the realization of a low-carbon society" from the JSPS. A special C2C session will be held during the workshop.

Interact together!

Feel the impression of a real conference thanks to Gather Town®! Interact and discuss in small groups, draw together on white boards and more! Connection link will be provided during the workshop.



Register now!

Conference dates: June 21st-25th, 2021 (15:30-18:00 JST / 8:30-11:00 CEST)

Registration link: <https://forms.gle/KV3Wu3Gb4DBaREka8>

Contact: elytws@grp.tohoku.ac.jp

More information on <https://www.elyt-lab.com/en/content/elyt-workshop-2021>

Start FR	End FR	Day 1 (June 21st)	Day 2 (June 22nd)	Day 3 (June 23rd)	Day 4 (June 24th)	Day 5 (June 25th)	Start JP	End JP
		Chair: T. Shoji / J.-Y. Cavallé	Chair: M. Ohta / D. Fabregue	Chair: H. Miki / M. Lallart	Chair: T. Uchimoto / G. Sebald	Chair: K. Ogawa / N. Mary		
08:30	08:35	Opening - A.-C. Hladky (CNRS) - M. Kotani (Tohoku) - M. Lallart / J. Fontaine, T. Uchimoto / Y. Sato (ELYT Global) - M.-C. Bailetto (INSA Lyon) - K. Maruta (IFS TU) - C. Corre (ECL)	<i>JSPS Core to core program symposium - Construction of an international research exchange center for ammonia combustion and materials toward the realization of a low-carbon society</i>	Introduction of "Core to Core program" K. Maruta and T. Tokumasu	Invited Elie Lefeuvre, Marion Woytasik, Xavier Leroux, Fabien Parrain <i>Biomechanical energy harvesting for leadless pacemaker application</i>	Invited J. Kittel and F. Ropital <i>Presentation of the corrosion loop CORTEX</i>	15:30	15:35
08:35	08:40						15:35	15:40
08:40	08:45						15:40	15:45
08:45	08:50						15:45	15:50
08:50	08:55						15:50	15:55
08:55	09:00						15:55	16:00
09:00	09:05	M. Ohta, V. Fridrici					16:00	16:05
09:05	09:10						16:05	16:10
09:10	09:15	<i>Tribology for health devices: 15 years of collaboration between Tohoku University (Ohta lab) and ECL (LTDS)</i>					16:10	16:15
09:15	09:20	S. Hirose, J.-P. Rieu, C. Anjard, O. Cochet-Escartin, K. Funamoto					16:15	16:20
09:20	09:25						16:20	16:25
09:25	09:30						16:25	16:30
09:30	09:35	Reduced oxygen availability triggers aerotaxis and aerokinesis of <i>Dictyostelium</i>					16:30	16:35
09:35	09:40						16:35	16:40
09:40	09:45						16:40	16:45
09:45	09:50	Y. Kohata, H. Anzai, M. Decroocq, S. Rit, C. Frindel, M. Ohta					16:45	16:50
09:50	09:55						16:50	16:55
09:55	10:00	<i>Virtual Angiography System as a Platform for Blood Flow estimation</i>					16:55	17:00
		Coffee break & Gathering	Coffee break & Gathering	Coffee break & Gathering	Coffee break & Gathering	Closing		
		Chair: J. Fontaine / H. Kurita	Chair: F. Gillot / A. Kamiya	Chair: L. Joly-Pottuz / Y. Sato	Chair: V. Fridrici / A. Chiba			
10:00	10:05	G. Digue, G. Sebald, M. Nakano, M. Lallart, J.-Y. Cavallé	Y. Kaneko, W. L. Sulen, C. A. Bernard, H. Saito, Y. Ichikawa, K. Ogawa	S. Dancette, Y. Amani, J. Luksch, A. Jung and E. Maire	G. Taxil, M. Lallart, G. Sebald, E. Lefeuvre, B. Ducharme, A. Bartasys, M. Ouhabaz, H. Kawanoo, T. T. Nguyen	Gathering time	17:00	17:05
10:05	10:10						17:05	17:10
10:10	10:15						17:10	17:15
10:15	10:20						17:15	17:20
10:20	10:25						17:20	17:25
10:25	10:30	C. A. Bernard, H. Takana, O. Lame, K. Ogawa, J.-Y. Cavallé	G. Digue, H. Miyauchi, S. Takeda, T. Uchimoto, N. Mary, T. Takagi	T. Wada, S.-H. Joo, H. Kato	S. Zhang, S. Takeda, T. Uchimoto, G. Sebald, B. Ducharme		17:25	17:30
10:30	10:35	Nozzle design for polymer coating by cold spray process	EMAR monitoring system of a carbon steel thinning in a corrosive environment	Beating Thermal Coarsening in Nanoporous Materials via High-Entropy Design	Magnetization mechanisms NDT			
10:35	10:40					17:30	17:35	
10:40	10:45	Y. Liu, B. Ducharme, K. Makihara, G. Sebald, M. Lallart	M. Lallart, H. Miki, L. Yan, G. Sebald, G. Digue, M. Ohtsuka, M. Kohl	H. Kurita, T. Kanno, Z. Wang, F. Narita	F. Gillot, P. Mohanasundaram, S. Besset, K. Shimoyama		17:35	17:40
10:45	10:50	Magnetic characterization of Metglas under tensile stress for energy harvesting applications	Heat engine based on MultiPhysic Memory Alloys and pyroelectric conversion for thermal energy harvesting	Tensile properties and microstructure of cellulose nanofiber reinforced silkworm silk fibers	Shape optimization with respect to mechanical stability criteria	17:40	17:45	
10:50	10:55					17:45	17:50	
10:55	11:00					17:50	17:55	
		G. Sebald, G. Lombardi, L. Maury, J. Jay, A. Kamiya, X. Sze Way, G. Coativy, H. Haissoume, L. Lebrun	Vincent Fridrici	Toshiyuki Takagi	Y. Wang, K. Hayashi, Y. Ootani, S. Bai, T. Shimazaki, Y. Higuchi, N. Ozawa, K. Adachi, M.-I. De Barros Bouchet, J. M. Martin, M. Kubo		17:55	18:00
		<i>Elastocaloric cooling using natural rubber: material properties, heat transfer and heat losses effects on proof of concept performances</i>	<i>Presentation of LTDS</i>	<i>Introduction of Tohoku Forum for Creativity Activities</i>	<i>Role of OH Termination in Mitigating Friction of Diamond-like Carbon under High Load: A Joint Simulation and Experimental Study</i>			