

## J-FAST Workshop @ Tsukuba Global Science Week (Session 2-3)

### ***“Challenge of materials science toward solutions for global environmental problems”***

Date & time : October 3<sup>rd</sup> (Thu), 2024, 14:00-16:45 (Japan time), 7:00~9:45 (French time)

Style: Hybrid Onsite (Univ. Tsukuba) & Online (Zoom)

Place: 3<sup>rd</sup> Conference Room, University Hall, University of Tsukuba

#### Program

13:30~14:00	Welcome coffee/tea	
14:00~14:10	Opening address	
	Yassine Lakhnech (Université Grenoble-Alpes, President)	
	Yasuteru Shigeta (University of Tsukuba, Vice President)	
14:10~14:40	Hajime Okumura (ISEES-Iip, AIST, UT)	( <i>Plenary</i> ) Strategy & solution of energy problem by SiC power electronics — how to develop relevant materials and devices
14:40~15:00	Etienne Gheeraert (CNRS, UGA, UT)	Diamond electronic devices for green electronics
15:00~15:20	Junpei Kuwabara (UT)	Low-environmental-impact synthesis and application of organic semiconducting materials
15:20~15:40	Break	
15:40~16:00	Takahiro Kondo (UT)	Key materials for hydrogen creation, storage, and utilization
16:00~16:20	Amaury Delamarre (CNRS, Univ Paris-Saclay)	III-V substrate recycling towards affordable high-efficiency solar cells ( <i>online</i> )
16:20~16:40	Hironori Okumura (UT)	Development of novel materials for high efficiency and low-cost power electronics
16:40~16:45	Closing	
	Shinji Kuroda (UT)	

\* Time in France: –7 hours

#### **Online connection**

For the information of online connection, please contact to S. Kuroda ([kuroda@ims.tsukuba.ac.jp](mailto:kuroda@ims.tsukuba.ac.jp)).