

# EU-JAPAN Research-Cluster event

## New e-fuel production methods for sustainable transport

In collaboration with fellow projects ORACLE and 4AirCRAFT



**ORACLE**  
三人寄れば文殊の知恵



Wednesday, 22 November 2023



09.30 - 16.00 (UTC +9)

09:00 - 09:15	Arrival of participants
09:15 - 09:30	Welcome words by LAURELIN's Coordinator & EU Ambassador to Japan Mr. Paquet
09:30 - 09:45	JST Strategies and support
09:45 - 10:00	EU strategies and support <i>Video message by Ms. Georgiadou (Senior Expert – European Commission, Directorate-General for Research and Innovation)</i>
10:00 - 10:20	Coffee Break
10:20 - 10:40	Presentation of LAURELIN
10:40 - 11:00	Presentation of ORACLE
11:00 - 11:20	Presentation of 4AirCraft

### LOCATION:

Sanjo Kaikan (Sanjo Conference Hall)  
University of Tokyo (Hongo)  
7 Chome-3-1 Hongo, Bunkyo City, Tokyo 113-0033



11:20 - 12:20	<b>1st Round table - Catalysts</b> <ul style="list-style-type: none"> <li>• Electrocatalyst, biocatalysts, nanocatalyst, etc....</li> <li>• Design, manufacturing and scale up challenges</li> <li>• Advanced characterization techniques (in-situ and in operando techniques)</li> <li>• Catalysts downstream “An eternal challenge”</li> <li>• Other</li> </ul>
12:20 - 13:30	Lunch
13:30 - 14:30	<b>2nd Round table - e-Fuels</b> <ul style="list-style-type: none"> <li>• E-fuels versus biobased fuels</li> <li>• E-Fuels versus fine e-chemicals</li> <li>• Methanol versus others (Ammonia, Hydrogen, Methane, etc...)</li> <li>• Policy recommendations for the deployment of transport e-fuels technologies</li> </ul>
14:30 - 15:30	<b>3rd Round table - New generation of chemical reactors</b> <ul style="list-style-type: none"> <li>• Microwave, Electrocatalysis, Plasma, Photocatalysis, Magnetic Induction, etc. Advantages and disadvantages compared to conventional reactors</li> <li>• Scale up challenges for innovative chemical reactors.</li> </ul>
15:30 - 15:50	Conclusions of the event
15:50 - 16:00	Closure of the event

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