

## International Workshop on Laser Diagnostics and its Application for the Renewable Energy Sector 7<sup>th</sup> - 8<sup>th</sup> March'2022

07.03.2022		08.03.2022	
Time Slot (CET)	Program Details	Time Slot (CET)	Program Details
9:15-9:30	Opening Remarks		
9:30-10:15	<a href="#">Dr. Lars Zigan</a>	9:30-10:15	<a href="#">Dr. Zhiwei Sun</a>
Topic	Laser-induced fluorescence and phosphorescence for reactive multiphase flows	Topic	Laser diagnostics for solar thermal systems and heavy industry decarbonisation
Institute/University	Universität der Bundeswehr München, Germany	Institute/University	The University of Adelaide, Australia
10:15-11:00	<a href="#">Dr. Jarvis Nwaboh</a>	10:15-11:00	<a href="#">Dr. Michael Lengden</a>
Topic	Development and Validation of dTDLAS-based Optical gas standards (OGS) for Reactive and Adsorptive Target molecules	Topic	Chemical Species Tomography for Industrial Emissions and Combustion Measurements
Institute/University	PTB, Braunschweig	Institute/University	University of Strathclyde, Glasgow, Scotland
Coffee Break		Coffee Break	
11:15-12:00	<a href="#">Dr. Aamir Farooq</a>	11:15-12:00	<a href="#">Dr. Zhongshan Li</a>
Topic	Mid-IR Laser Sensors for Chemical Kinetics and Environment	Topic	Quantitative detection/imaging of KOH and KCl vapor in hot flue gas flow for clean biomass utilisation
Institute/University	KAUST, Saudi Arabia	Institute/University	Lund University, Sweden
Lunch		Lunch	
13:00-13:45	<a href="#">Dr. Wei Ren</a>	13:00-13:45	<a href="#">Dr. Weiwei Cai</a>
Topic	Ultra-sensitive optical gas sensors with photoacoustic spectroscopy	Topic	Toward five-dimensional imaging for combustion diagnostics
Institute/University	The Chinese University of Hong Kong, Hong Kong	Institute/University	Shanghai Jiao Tong University, China
13:45-14:30	<a href="#">Dr. Chang Liu</a>	13:45-14:30	<a href="#">Dr. Stefan Persijin</a>
Topic	Hardware-accelerated imaging system design for Chemical Species Tomography	Topic	Metrology for renewable energy gases
Institute/University	The University of Edinburgh, United Kingdom	Institute/University	VSL, Netherlands
Coffee Break		Coffee Break	
14:45-15:30	<a href="#">Dr. Shengkai Wang</a>	14:45-15:30	<a href="#">Dr. Jana Jagerska</a>
Topic	Laser Absorption Measurements of Key Reaction Rates in Renewable Energy Utilization	Topic	TDLAS on a chip
Institute/University	Peking University, China	Institute/University	The Arctic University of Norway, Norway
15:30-16:15	<a href="#">Dr. Markus Mangold</a>	15:30-16:15	<a href="#">Mr. Felix Witt</a>
Topic	Mid-Infrared Dual-Comb Spectroscopy for High Temperature Speciation and Reaction Monitoring	Topic	Absolute Insitu-Laserspectroscopy-assisted Dynamic Hygrometer Characterization
Institute/University	IRSweep, Switzerland	Institute/University	PTB, Braunschweig