



# EKC2023

## Wednesday, August 16, 2023

### IIFO Dual R&BD Cooperation Platform between Korea and Germany in Materials-Components-Equipments: Dual R&BD Cooperation Platform between Korea and Germany in Materials-Components-Equipments (2:50 PM - 6:10 PM)

-Conveners: Taeyoung Han

time	[id] title	presenter
2:50 PM	[M49] Dual R&BD Cooperation Platform between Korea and Germany in Materials-Components-Equipment	Prof. YEO, Jong-Souk
3:05 PM	[M53] Combining mechanically stable ZrO <sub>2</sub> with electrically conductive TiO <sub>x</sub> via Vat Photopolymerization	Dr MORITZ, Tassilo
3:20 PM	[M46] Digital Light Processing Technology for Multi-material Additive Manufacturing	Dr YUN, Huisuk
3:35 PM	[M48] Monitoring Technology for the Additive Manufacturing of Future Biomedical Parts - Optical Coherence Tomograph	Dr OPITZ, Jörg
3:50 PM	[M54] Sol-Gel Chemistry for various applications: membrane separation technology, surface protection and fire protection	Dr HOYER, Thomas
4:05 PM	[M43] Tribology of Seals for High Vacuum Feedthrough Development	Prof. KIM, Dae-Eun
4:20 PM	Break	
4:40 PM	[M51] Microfluidic devices for point-of-care diagnostics and organ-on-chip applications	Dr BESHCHASNA, Natalia
4:55 PM	[M56] Micropatterned Responsive Hydrogel for Biosensor and Soft Actuator Application	Prof. KOH, Won-Gun
5:10 PM	[M52] N-heterocyclic Carbene integrated Ultra-fast photonic Polymerase Chain Reaction	Prof. KWON, Oh Seok
5:25 PM	[M55] Nitric oxide donor/scavenger for the treatment of various disease	Prof. KIM, Won Jong
5:40 PM	[M50] Title: Sodium Batteries a Key Enabler for a Robust and Sustainable Energy Infrastructure	Dr SCHULZ, Matthias
5:55 PM	[M42] High capacity nickel coated carbon core-shell materials for advanced Na/NiCl <sub>2</sub> batteries	Mr SCHÜSSLER, Benjamin