

## Online Workshop

### Advanced Tools for Materials Characterization

Jan 18 <sup>th</sup> , 2022		Agenda
When (CET)	Title	Presenter
9:00 - 9:15	Setting up connections	
9:15 - 9:30	Welcome and overview of the workshop	Workshop committee
9:30 – 10:00	Epistore and Harvestore advanced tools	Stephen Skinner and John Kilner (ICL)
10:00 - 10:20	ASTAR : a TEM tool for Automated Phase and Orientation mapping at Nanoscale	Edgar Rauch (Grenoble INP)
10:20-10:35	Break	
10:35 – 10:55	In-situ ellipsometry study of defect chemistry of ferrite thin films at intermediate-to-low temperatures	Yunqing Tang (IREC)
10:55 - 11:15	Agility: A python Atomistic Grain Boundary and Interface Utility	Alexander Bonkowski (RWTH)
11:15 - 11:35	Advanced ion beam-based techniques	John Kilner (ICL)
11:35- 11:55	Impedance Spectroscopy – a tool to understand losses and aging in solid Oxide cells	André Weber (KIT)
11:55-12:15	Tip-Enhanced Raman Spectroscopy of Transition Metal Oxide thin films	Juan Carlos Gonzalez-Rosillo (IREC)
12:15 – 12:30	Break	
Advanced tools from collaborative FET projects (HYSOLCHEM, LIGHTCAP, ELECTRO INTRUSION)		
12:30 – 12:55	HYSOLCHEM	Marta Liras (IMDEA) and Georg Held (DIAMONT)
12:55 – 13:20	LIGHTCAP	Ilka Kriegel (IIT)
13:20 – 13:45	ELECTRO INTRUSION	Simone Meloni (UNIFE) and Yaroslav Grosu (CIC Energigune)
13:45-14:00	Wrap up and concluding remarks	