

THE KAUST IMAGING & CHARACTERIZATION
CORE LAB (IAC) & WITEC GMBH PRESENT:

CONFOCAL RAMAN MICROSCOPY: ILLUMINATING TODAY'S TECHNOLOGY & APPLICATIONS

TUESDAY - 6 DEC, 2022



LECTURE



BUILDING 2/5220

| | | |
|-------------|---------------------------|---|
| 8:30-8:40 | Rachid Sougrat - KAUST | Opening speech |
| 8:40-9:00 | Nour Hafi - WITec | Basic Principles of Confocal Raman Microscopy |
| 9:00-9:20 | Jeremy Bau - KAUST | Molybdenum Catalyst Behavior under Operando Electrochemical Raman Conditions |
| 9:20-9:40 | Zhuo Chen - KAUST | Application of Raman Spectroscopy to Iodine Gas Sensor: An in situ Mechanism Study |
| 9:40-10:00 | Peng Zhang - KAUST | Single-molecule Analytical Platform for Nanofiber Characterizations |
| 10:00-10:20 | Coffee Break | |
| 10:20-10:40 | Fuhai Zhou - KAUST | Influence of Entangled State in Crystal Plasticity and Sintering of Ultrahigh Molecular Weight Polyethylene |
| 10:40-11:00 | Yinchang Ma - KAUST | Probing Ferroelectrics Using Optical Second Harmonic Generation in 2D materials |
| 11:00-11:20 | Fatimah Alreshidi - KAUST | Raman and Photoluminescence Characterizations of InGaN Blue LED |
| 11:20-11:40 | Manola Moretti - KAUST | Raman Spectroscopy for Biological Samples: from Single Molecules, to Cells and Tissues |
| 11:40-12:00 | Nour Hafi - WITec | Correlative Microscopy Techniques |

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PRACTICAL I



BUILDING 3/0302

1:30-2:15

5 people per group

2:15-3:00

3:00-3:15

Coffee Break

3:15-4:00

5 people per group

4:00-4:15

Basic
Characterization

WEDNESDAY - 7 DEC, 2022



PRACTICAL II



BUILDING 3/0302

2 people per group

8:30-12:00

Coffee Break

2 people per group

Advanced
Characterization