

**SCHEDULE BERKELEY EMERGING RESEARCH SCHOLAR**

**WORKSHOP ON METAL ORGANIC FRAMEWORK (MOFs):**

**Definitions, Synthesis Characterizations and Its Application**

*Research Center for Nanosains and Nanotechnology (RCNN)*

*Center for Advanced Sciences (CAS) Building 3rd Floor*

*Institut Teknologi Bandung*

*Jl. Ganesha No.10, Bandung*

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| **THURSDAY, 23 NOVEMBER 2017** |
| **TIME** | **AGENDA** | **SPEAKERS** |  |
| 13.00 - 14.30 | Introduction to Reticular Chemistry (History, Practical Theory, Topology) | Kyle Cordova | Meeting Room, CAS Building, 3rd Floor |
| 14.30 - 14.45 | ***COFFEE BREAK*** |
| 14.45 - 16.15 | Synthesis and Characterization of Reticular Materials (Synthetic Techniques, Strategies, and Basic Characterization) | Kyle Cordova |
| **FRIDAY, 24 NOVEMBER 2017**  |
| 08.00 - 09.00 | Post-Synthetic Modification (Functionalization of Reticular Materials) | Kyle Cordova | Meeting Room, CAS Building, 3rd Floor |
| 09.00 – 09.15 | ***COFFEE BREAK*** |
| 09.15 - 11.00 | MOF Characterization (Characterization Techniques and Porosity) | Kyle Cordova |
| 11.00 - 13.00 | ***ISHOMA*** |
| 13.00 - 14.30 | Computational Modeling and Structural Solution from X-ray Diffraction (Part 1) | Ha Lac Nguyen |
| 14.30 - 14.45 | ***COFFEE BREAK*** |
| 14.45 - 16.15 | Research Discussion + Lab Work (as needed) with Students | Kyle + Ha |
| **SATURDAY, 25 NOVEMBER 2017** |
| 09.00 - 10.30 | Computational Modeling and Structural Solution from X-ray Diffraction (Part 2) | Ha Lac Nguyen | Meeting Room, CAS Building, 3rd Flo*or* |
| 10.30 - 10.45 | ***COFFEE BREAK*** |
| 10.45 - 12.00 | Topological Analysis (RCSR Database, TOPOS) | Ha Lac Nguyen |

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| **MONDAY, 27 NOVEMBER 2017** |
| **TIME** | **AGENDA** | **SPEAKERS** |  |
| 09.00 – 10.30 | Applications in Gas Capture and Storage for Reticular Materials (CO2 capture, H2 storage, CH4 storage) | Ha Lac Nguyen | Meeting Room, CAS Building, 3rd Floor |
| 10.30 - 10.45 | ***COFFEE BREAK*** |
| 10.45 - 12.15 | Global Science: Capturing the Human Potential | Kyle Cordova |

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