



MIT-MTL Center of Graphene Devices
and 2D Systems
Annual Review Meeting



Friday, November 4, 2016

50 Vassar Street (Grier Room 34-401A&B)

- 8:00-8:30 **Registration and Breakfast**
- 8:30-9:00 **Welcome and status of 2D Systems at MIT**
Prof. Tomás Palacios
- 9:00-9:30 **Recent progress in graphene-based layer transfer and wafer-scale epitaxial stacking of 2D materials**
Prof. Jeehwan Kim
- 9:30-10:00 **Transforming nanodevices to nanosystems**
Prof. Max Shulaker
- 10:00-10:30 **Graphene as a Mother material for 2D layered systems Science and Technology**
Prof. Mildred Dresselhaus
- 10:30-10:45 **Morning Break /Poster session**
- 10:45-11:15 **Electron-phonon coupling and ultrafast dynamics in 2D Heterostructures**
Dr. Prineha Narang (Prof. Marin Soljacic's group)
- 11:15-11:45 **Development in the synthesis and transfer 2D materials**
Prof. Jing Kong
- 11:45-12:15 **Synthesis and application of atomically thin membranes**
Dr. Piran Kidambi (Prof. Rohit Karnik's & Prof. John Hart's group)
- 12:15-13:30 **Lunch /Poster Session**
- 13:30-14:30 **CIQM**
TBD
- 14:30-15:00 **Light emitting diodes and photodetectors of 2D transition metal dichalcogenides: from visible to near infrared**
Dr. Yaqing Bie (Prof. Pablo Jarillo-Herrero's group)
- 15:00-15:30 **2D Materials for Precision Sensing and Quantum Information Processing**
Prof. Dirk Englund
- 15:30-15:45 **Afternoon Break /Poster Session**
- 15:45-16:00 **Wafer-scale Valleytronic Materials**
Dr. Steven Vitale (Dr. Jakub Kedzierski's group-Lincoln Laboratory)
- 16:00-16:30 **Covalent functionalization of carbon nanomaterials**
Dr. Maggie He (Prof. Timothy M. Swager's group)