



GRAPHENE FLAGSHIP

US-EU 2D Workshop

May 9-10
2019

The Pennsylvania State University
University Park, PA

AGENDA

Thu, May 9, 2019

AFTERNOON SESSION – US/EU 2D Session

Location: Days Inn Penn State, Room: Centre/Arbor

12:00-1:30p Lunch (Room: Linden/Grove)

1:30-3:30p US/EU 2D PRESENTATIONS

Moderator: Ana Laura Elias

1:30-2:00p *2D+Energy: Vittorio Pellegrini, Senior Researcher Tenured - Principal Investigator, Istituto Italiano di Tecnologia; Director, Graphene Labs*

Presentation: "Graphene-based Electrodes for High-Power Lithium Batteries"

2:00-2:30p *2D+Synthesis: Camilla Coletti, Researcher Tenure Track - Principal Investigator, Istituto Italiano di Tecnologia*

Presentation: "Scalable Single-Crystal Graphene for Photonics"

2:30-3:00p *2D+Energy: Xiaolin Zheng, Associate Professor, Stanford University*

Presentation: "Tuning physicochemical Properties of MoS₂ by Mechanical Strain"

3:00-3:30p *2D+Synthesis: Cedric Huyghebaert, Research Manager Nano Applications Material Engineering, IMEC*

Presentation: "Processing Toolkit Development for 2D Material Integration In 300mm Silicon Production Line"

3:30-4:00p Break

EVENING SESSION – US/EU 2D Session

Location: Days Inn Penn State, Room: Willow/Sylvan and Centre/Arbor

4:00-5:00p Poster Session

5:00-7:00p US-EU RUMP Session: 2D In Quantum

Moderator: Joshua Robinson

Scribes: Tanushree Choudhury, Mikhail Chubarov, Yuanxi Wang

Panelists: Vladimir Fa'liko, Vincenzo Palermo, James Hone, Mauricio Terrones, Vincent Crespi

7:00p Dinner on Own

Fri, May 10, 2019

MORNING SESSION – US/EU 2D Session

Location: Days Inn Penn State, Room: Centre/Arbor

8:00-8:30a **Breakfast**

8:30-11:30a **US/EU 2D PRESENTATIONS**

Moderator: Nestor Perea

8:30-9:15a *2D+Energy: Ekaterina Pomerantseva, Assistant Professor, Drexel University*

9:15-10:00a *2D+Devices: Roman Gorbachev, Senior Research Fellow, The University of Manchester*
Presentation: “*Novel Routes In 2D Nanofabrication*”

10:00-10:45a *2D+Bio: Alberto Bianco, Professor, University of Strasbourg*
Presentation: “*Impact of Graphene Materials In Vitro and In Vivo*”

10:45-11:30a *2D+Devices: Eric Pop, Associate Professor of Electrical Engineering and, by courtesy, of Materials Science and Engineering, Stanford University*
Presentation: “*Electronic, Thermal, and (Some) Unusual Applications of 2D Materials*”

11:30a **Wrap-up / Adjourn – Graphene and Beyond**

11:45a-1:00p **Lunch** (Room: Linden/Grove)

AFTERNOON SESSION ([US & EU Faculty and Industry participants only](#))

Location: Penn State Campus

1:00-1:30p **Walk to Penn State University – Millennium Science Complex 3rd Floor Commons**

1:30-3:00p **Materials Research Institute (MRI) Facilities Tour**

2D Crystal Consortium-Materials Innovation Platform, Materials Characterization Lab, Nanofab Lab

3:00-3:20p *Walk to Nittany Lion Shrine*

3:20-3:50p **Nittany Lion Shrine (photo-op)**

3:50-4:00p *Walk to Nittany Lion Inn*

EVENING SESSION ([US & EU Faculty and Industry participants only](#))

Location: Nittany Lion Inn – Faculty Staff Room

4:00-4:30p **Networking**

4:30-6:00p **RUMP Report Out and Discussions**

Moderator: Joshua Robinson

Scribes: Tanushree Choudhury, Mikhail Chubarov, Yuanxi Wang

6:00-8:00p **Dinner / Informal Discussions**

<https://policy.psu.edu/policies/ad85>

Penn State Policy AD85 - Sexual And/or Gender-Based Harassment and Misconduct (Including Sexual Harassment, Sexual Assault, Dating Violence, Domestic Violence, Stalking, and Related Inappropriate Conduct)

To report violations of the policy or code-of-conduct:

PENN STATE EMPLOYEES

Penn State employees, with very limited exceptions, are mandated reporters, as per policy AD85. An employee must report sexual and/or gender-based harassment (cannot be submitted anonymously). Employees can submit a report using the hotline OR they can submit the information here: https://cm.maxient.com/reportingform.php?PennState&layout_id=1 or contact the Affirmative Action Office at 814-863-0471. AAO administers the University's Title IX process for employees. All others can submit reports anonymously.

ANONYMOUS REPORTING

Anyone may make an anonymous report of Prohibited Conduct by contacting the Ethics and Compliance Hotline at 1-800-560-1637.

For more information on anonymous reporting, please see the Ethics and Compliance website (<https://universityethics.psu.edu/>) and the Ethics and Compliance hotline (<https://universityethics.psu.edu/penn-state-hotline>).