nanoMFG Data-Driven Nanoscale Manufacturing

The home page of Gr-ResQ, the Graphene Rescue Project

Future directions in nanomaterial synthesis: from rational design to data-driven manufacturing

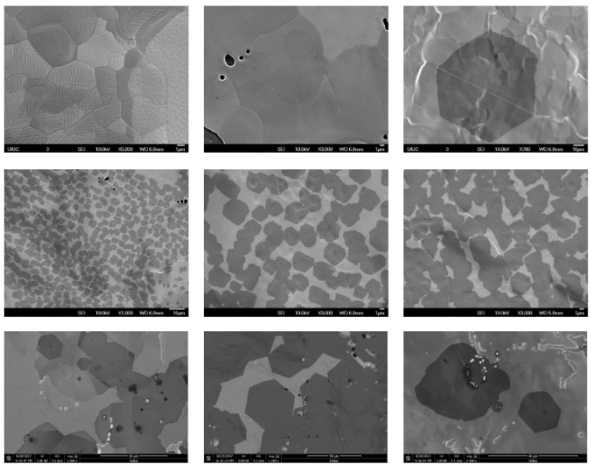
Virtual Workshop -- January 19-20-21 2021

website: https://graphene.illinois.edu

Bringing together the leaders in nanomaterials synthesis from around the world, the objectives of this workshop are: (1) to collect new insights and lessons learnt related to the synthesis of various nanomaterials, with emphasis on 2D materials; (2) to create a framework for data collaborations among groups in these areas on synthesis and complementary computational tools; and (3) to present the efforts of the Network for Computational Nanotechnology Nanomanufacturing Node in using computational and data-driven tools tailored for the synthesis community.

The FDNS21 virtual workshop will feature:

- presentations by distinguished speakers who have led the community in nanomaterials synthesis
- poster session in gather.town — with prizes! — to highlight the work of early-career researchers at the intersection of nanomaterials synthesis and data
- training on Gr-ResQ, a crowd-soured database for CVD synthesis of graphene



Confirmed Speakers:

- Lili Cai, *University of Illinois, USA*
- Judy Cha, *Yale University, USA*
- Cheol-Joo Kim, *Postech, SK*
- Lain-Jong Li, *University of Hong Kong, CHN*
- Zheng Liu, *NTU, Singapore*
- Benji Maruyama, *AFRL, USA*
- Jiwoong Park, *University of Chicago, USA*
- Joan Redwing, *Penn State University, USA*
- Evan Reed, *Stanford, USA*
- Daniel Rhodes, *University of Wisconsin, USA*
- Rodney Ruoff, *UNIST, SK*
- Sefaattin Tongay, *Arizona State University, USA*
- Boris Yakobson, *Rice University, USA*

Participation is free for all registered attendees.

FDNS21 is organized by the Network for Computational Nanotechnology Nanomanufacturing Node at the University of Illinois at Urbana-Champaign, funded by the US National Science Foundation.

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