Preliminary Agenda
NIST-CHiMaD Workshop on
Materials Informatics (MI) for Industry
March 27, 2019
Northwestern University, Evanston, IL

09:00AM – 09:15AM  Opening Remarks: MGI and MI in Manufacturing
Welcome & Purpose/Goals of workshop
Dr. Begum Gulsoy, CHiMaD
Dr. James Warren, Director, Materials Genome Program, NIST

- Formulating a strategy if you don’t have one
- Improving an MI strategy if you have one
- Discovering the world-wide approaches and gaps in MI Infrastructure

09:15AM – 09:35AM  Materials Design – laying foundation of MGI & MI
Prof. Greg Olson, Northwestern University, Materials Science and Engineering

09:35AM – 09:55AM  MI: Materials Science meets Machine Learning
Dr. Logan Ward, University of Chicago, Computer Science

09:55AM – 10:10AM  Coffee Break

10:10AM – 11:30AM  MI Success stories and Tools Session
Accelerating Formulation Development: How AI can be used in “Small Data” Environments
Will Tashman (Uncountable)
Accelerating the Discovery of Materials for Emissions-Free Technologies
Dr. Linda Hung (Toyota Research Institute)
Other confirmed speakers:
Prof. Zi-Kui Liu (Penn State University)
Dr. Turab Lookman (Los Alamos National Laboratory)

11:30AM-1:00PM  LUNCH & Networking

01:00PM-01:30PM  Landscape of Materials Informatics Session I
How to form a Materials Informatics Strategy
Dr. Xiao Zhong, Lux Research

01:30PM-02:15PM  Panel: Balancing disruptive potential with data challenges:
A conversation on forming a MI strategy
[Moderator: Ross Kozarsky (Lux Research)]
Confirmed Panelists:
Charles Bateman, R&D Manager, Saint-Gobain Research North America
Christoph Kreisbeck, Chief Product Officer, Kebotix
George Gogolev, General Manager, Severstal Ventures
Spike Narayan, Director, Science & Technology, IBM Almaden Research Center

02:15PM-03:45PM  Demo and Further Discussions Session
Confirmed Plugfest Participants:
- Alchemy
- Exabyte
- Lumiant
- Materials Data Facility
- OXMET
- Tilde Materials Informatics
- Uncountable

03:45PM-04:15PM  Landscape of Materials Informatics Session II
MGI Data Infrastructure Gaps & Look Forward
Dr. Zachary Trautt, NIST
04:15PM- 05:00PM  
Panel: Gaps in the MI Infrastructure for Materials Design  
[Moderator: James Warren (NIST)]  
Confirmed Panelists:  
Benjamin Blaiszik, University of Chicago & Argonne National Laboratory  
Linda Hung, Toyota Research Institute  
Zachary Trautt, NIST