Microstructures Workshop
NIST NCCOE
Monday-Tuesday May 13-14, 2019

Monday May 13
1:00pm   Bob Hanisch   Welcome to NIST/NCCOE
1:10pm   Eva Campo   NSF View on the Value of Microstructure Data
1:30pm   Jeff Rickman   Recap of First Workshop and Overview of This One
2:00pm   Zachary Trautt   Making Microstructure Data FAIR: Microstructures Schema
3:00pm   Break
3:30pm   Breakouts   1) Sample metadata
                2) Processing metadata
                3) Image metadata
4:30pm   Rapporteurs   Reports from breakouts
5:00pm   Break
6:30pm   Social Gathering, TBD location

Tuesday May 14
9:00am   Zachary Trautt   Demonstration, worked examples of uploads, queries
             Machine learning use case
9:30am   All   Query exercise
10:30am  Break
11:00am  Suhas Somnath   Materials data management at ORNL (1)
11:15am  All   Hands-on session with coaching
12:15pm  All   Feedback session
12:45pm  Lunch, box lunches from Panera
1:30pm   Ankit Agrawal   Materials data management at CHiMaD
1:45pm   Breakouts   Schema for analytics
             Tools for analysis
             Uncertainty characterization
2:45pm   Rapporteurs   Reports from breakouts
3:15pm   Break
3:30pm   Wrapping Up
             Dale Stansberry   Materials data management at ORNL (2)
             Cate Brinson   Synthesis
             Laura Bartolo   Links to Microscopy Workshop
             Jeff Rickman,   Closing Remarks
             Bob Hanisch