The 47th MaDIS Seminar:
SIP-Materials Integration International Workshop in NIMS

Date: Monday, December 9, 2019

Time: 10:00 am to 5:20 pm

Venue: 2nd Conference Room, 1st Floor, Sengen, NIMS

Time	Title	Speaker
10:00 am to 10:20 am	Opening Remark	**Dr. Masahiko Demura** NIMS
10:20 am to 11:00 am	**Network Theory Meets Materials Science**	**Prof. Christopher Wolverton** Northwestern University
11:00 am to 11:30 am	**Accelerating Materials Innovation: ICME, Materials Design, Data and the Underlying Workforce Training**	**Dr. E. Begum Gulsoy** Northwestern University
11:30 am to 12:00 pm	**Optimization of Process Parameters for Preventing Solidification Cracking of Parts Made by Selecting Laser Melting Process by Bayesian Optimization Approach**	**Dr. Houichi Kitano** NIMS
12:00 pm to 1:30 pm	Lunch Break	
1:30 pm to 2:10 pm	**High temperature creep of Ni- and Co-base superalloys: Integration of physics based simulation and machine-learning**	**Prof. Ingo Steinbach** Ruhr University Bochum
2:10 pm to 2:40 pm	**Data management for atomistic simulation: design and case studies**	**Dr. Yury Lysogorskiy** Ruhr University Bochum
2:40 pm to 3:00 pm	**Autonomous generation of structure-property linkages for two-phase composites from simulation data obtained from micromechanical finite element models**	**Mr. Andrew Marshall** Georgia Institute of Technology
3:00 pm to 3:20 pm	Coffee Break	
3:20 pm to 3:50 pm	**Artificial Materials Intelligence**	**Dr. Irina Roslyakova** Ruhr University Bochum
3:50 pm to 4:20 pm	**Atomistic analyses on the effects of lattice defects on screw dislocation behaviors in structural materials**	**Dr. Masato Wakeda** NIMS
4:20 pm to 4:40 pm	**Modeling strategy for creep behavior of Co-base superalloys**	**Ms. Setareh Zomorodpoosh** Ruhr University Bochum
4:40 pm to 5:10 pm	**Orthogonally-arranged FIB-SEM for serial sectioning 3D observation**	**Dr. Toru Hara** NIMS
5:10 pm to 5:20 pm	Closing	**Dr. Makoto Watanabe** NIMS