



Wednesday 27 March

James L. Allen Center, Farley Lounge
<https://maps.northwestern.edu/facility/89>

5:30PM Workshop Reception & Dinner

Thursday 28 March

CHiMaD HQ, Hogan Hall 1st floor
<https://maps.northwestern.edu/facility/88>

8:30AM Registration (Coffee & Pastry)

A. Opening

9:00 Welcome Prof. Greg Olson, NU

B. Microstructure Control

9:10 Ultrafine Grain Formation by Heavy Deformation in High-Entropy Alloys Prof. Koichi Tsuchiya, NIMS

9:30 Large Grain Boundary Property Datasets Prof. P. Voorhees, NU

9:50 Effect of Phase Stability on Deformation Behavior and Low-Cycle Fatigue Property in Co-20Cr-10Mo-xNi Alloys W. Tasaki, U. Tsukuba

10:10 High Performance Aluminum Alloys Utilizing Nano-Precipitates Prof. D. Seidman, NU

10:30 **GROUP PHOTO & BREAK**

C. Mechanical Behavior

10:40 Nano-mechanical Behavior and Physical Models in Fe Alloys Dr. T. Ohmura, NIMS

11:00 Estimation of Stress-Strain Curve using Indentation and its Computational Simulation Dr. I. Watanabe, NIMS

11:20 Crystal Plasticity Methods Prof. W-K Liu, NU

11:40 SME in a CrMnFeCoNi HEA Dr. J. Lee, NIMS

12:00N Microstructure and Mechanical Properties of Ti-6Al-4V Alloy fabricated by Selective Laser Melting Dr. M. Kusano, NIMS

12:30PM **LUNCH** (Allen Center)



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| 2:00PM | Metal Forming Research | D. Leem and Prof. J. Cao, NU |
| 2:20 | CAE-based Process Design for Improvement of Formability in Hot Stamping | Dr. E. Ota, Toyota Central R&D |

D. Polymers & Electronic Materials

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| 2:40 | Study of Bond-Exchangable Polymer Network by Primary Structure Control Polymer Synthesis | Dr. Y. Nakamura, NIMS |
| 3:00 | <i>BREAK</i> | |
| 3:20 | Flexible Transparent Electronic Devices: Polymers and Beyond | Prof. T. Marks, NU |
| 3:40 | Development of Thermoelectric Materials and Devices to Power IoT Applications | Dr. T. Mori, NIMS |
| 4:00 | Design of Thermoelectric Materials | Prof. G. Snyder, NU |
| 4:20 | Closing | |
| 4:40 | Adjourn | |