

CHiMaD/SRG2019
35th SRG Annual Meeting
Northwestern University, 25 – 26 March 2019
Final Program

Monday, 25 March

Day 1: Design Research

Allen Center
McCormick Auditorium, Rm 164

8:30 AM Registration (Coffee & Pastry)

A. Opening

9:00 Overview: CHiMaD & SRG Prof. G. B. Olson, NU

9:45 Metals Research @ DLR Dr. Heinz Voggenreiter, DLR Germany

B. Methods & Tools

10:15 LEAP Microanalysis Prof. D. Seidman, NU

10:45 **BREAK**

11:00 Advanced Electron Microscopy Dr. X. Hu & Prof. V. Dravid, NU

11:30 FLAPW Applications Dr. O. Kontsevoi, NU

12:00 PM High-Throughput DFT Prof. C. Wolverton, NU

12:30 **LUNCH**

Allen Center
Atrium Dining Room

1:45 Thin-Film Combinatorics Prof. Y-W Chung & Prof. M. Bedzyk, NU

C. Materials Genomics

2:15 MGI in Sweden Prof. J. Agren, KTH Sweden

2:45 CHiMaD Data Analytics Prof. A. Agrawal & Prof. A. Choudhary, NU

3:15 **BREAK**

3:30 CALPHAD Assessment Dr. P. Wang, NU/NIST

4:00 CALPHAD UQ Dr. M. Stan, ANL

4:30 AIM UQ Prof. D. G. Harlow, Lehigh

5:00 New Initiatives: CHiMaD 2.0 Prof. P. Voorhees, NU

5:45 **RECEPTION**

Allen Center
Atrium Dining Room

6:30 **DINNER**

Speaker: Dr. Ray Munroe, SFSA, "American Steel: Past & Future"

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Tuesday, 26 March

Day 2: Design Applications

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McCormick Auditorium, Rm 164

8:15 AM	Registration (Coffee & Pastry)	
8:30	Overview	Prof. G. B. Olson, NU
	A. CyberSteels	
9:00	Accelerated Process Optimization	C. Kern, QuesTek
9:30	Q&P Automotive TRIP Steels	Dr. A. Behera, QuesTek
10:00	Blast & Fragment Protection TRIP Steels	C. Houser, NU
10:30	BREAK	
	B. Organic Systems	
10:45	Liquid Crystal Martensite	X. Li & Prof. P. Nealey, U Chicago
11:15	TRIP CFRP	Prof. G. Olson, NU & Dr. R. Komai, Tesla
	C. CyberAlloys	
11:45	Co Superalloy Prototypes	Dr. E. Lass, NIST
12:15 PM	LUNCH	Allen Center <i>Atrium Dining Room</i>
1:45	Microstructured Thermoelectrics	Prof. J. Snyder, NU
2:15	TRIP Ti Alloys	F. Meng, NU
2:45	Oxide Control & SMA HCF	C. Liu & Prof. W-K Liu, NU
3:15	BREAK	
3:30	HEA Design @ QuesTek	Dr. P. Lu, QuesTek
	D. Alloys for Additive	
4:00	AM @ NIST	Dr. L. Levine, NIST
4:30	AM @ NU	Prof. G. Wagner & Prof. J. Cao, NU
5:00	AM @ QuesTek	Dr. J. Sebastian, QuesTek
5:30	ADJOURN	