

MATERIALS DESIGN: 33rd Annual Meeting

Northwestern University, 23 – 24 March 2017
Final Program

Thursday, 23 March

Day 1: Design Research

Pancoe Auditorium

8:30 AM Registration (Coffee & Pastry)

A. Opening

9:00 Overview Prof. G. B. Olson, Northwestern

9:45 SIP Structural Materials for Innovation Dr. Masahiko Demura, NIMS

10:15 CHiMaD Prof. P. W. Voorhees, Northwestern

10:45 **BREAK**

B. Methods & Tools

11:00 LEAP Analysis: Co Alloys Dr. D. Isheim & Prof. D. Seidman, NU

11:30 FEA Multiscale Continuum Methods Prof. W-K. Liu, Northwestern

12:00 PM FLAPW Applications Dr. O. Kontsevoi, Northwestern

12:30 **LUNCH** **Allen Center**

1:45 Co-Diffusivities Dr. S. Naghavi & Prof. C. Wolverton, NU

C. Materials Genomics

2:15 Hero-m @KTH Prof. A. Borgenstam, KTH

2:45 CHiMaD Research @ NIST Dr. C. Campbell, NIST

3:15 **BREAK**

3:30 CHiMaD Data Mining: Fatigue Dr. A. Agrawal, NU & A. Saboo, QuesTek

4:00 Integrating Data Mining: Thermoelectrics Dr. J. Saal, QuesTek

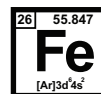
4:30 Advances in AIM Methods Prof. D. G. Harlow, Lehigh

5:00 New Initiatives Prof. G. B. Olson, Northwestern

5:30 **RECEPTION** **Allen Center**

6:00 **DINNER** **Allen Center**

Speaker: Dr. Mustafa Megahed, ESI, "Virtual Additive"



MATERIALS DESIGN: 33rd Annual Meeting

Northwestern University, 23 – 24 March 2017
Final Program

Friday, 24 March

Day 2: Design Applications

Pancoe Auditorium

8:15 AM Registration (Coffee & Pastry)

8:30 Overview Prof. G. B. Olson, Northwestern

9:00 Thin-Film Combinatorics Profs. Y-W. Chung & M. Bedzyk, NU

A. Steel Designs

9:30 Q&P TRIP Steels A. Behera, Northwestern

10:00 Flying CyberAlloys J. Grabowski, QuesTek

10:30 **BREAK**

B. CyberAlloys

10:45 Ni & Co Alloys Dr. J. Gong, QuesTek

11:15 Co Alloys Prof. W. Xiong, U Pittsburgh

11:45 Cast Al Q-alloys A. Bobel, Northwestern

12:15 PM **LUNCH** **Allen Center**

1:45 Additive Manufacturing @ NIST Dr. M. Stoudt, NIST

2:15 Additive Manufacturing @ NU F. Yan, Northwestern

2:45 Alloys for Additive @ QT D. Snyder, QuesTek

3:15 **BREAK**

3:30 Ti Alloys F. Meng, Northwestern

4:00 PH SMAs Dr. D. Frankel, QuesTek

4:30 Oxides & SMA HCF C. Liu, Northwestern

5:00 Organic Systems Dr. R. Komai, NU & QuesTek

5:30 **ADJOURN**