



**Monday, 24 March**

**Day 1: Design Research**

**Ford Design Center**

ITW Room (1-350)

<http://www.northwestern.edu/campus/maps.html>

8:30 AM Registration (Coffee & Pastry)

**A. Opening**

9:00 Overview

Prof. G. B. Olson, Northwestern

9:45 MGI

Dr. J. Warren, NIST

10:15 CHiMaD

Prof. P. W. Voorhees, Northwestern

10:45 **BREAK**

**B. Methods & Tools**

11:00 LEAP Analysis of Co Alloys

Prof. D. N. Seidman, Northwestern

11:30 ABC Multiscale Continuum Method

J. Moore & Prof. W-K. Liu, Northwestern

12:00 PM FLAPW Applications

Dr. O. Kontsevoi & Prof. A. J. Freeman,  
Northwestern

12:30 **LUNCH**

**Allen Center**

1:45 High-Throughput DFT

Prof. C. Wolverton, Northwestern

**C. Materials Genomics**

2:15 CHiMaD Research @ NIST

Dr. C. Campbell, NIST

2:45 CHiMaD Data Mining: Fatigue

Dr. A. Agrawal & Dr. W. Xiong, NU

3:15 **BREAK**

3:30 Knowledge/Data Fusion: Ti Strength

Prof. P. Collins, U North Texas

4:00 MGI & ICME @ TMS

Dr. G. Spanos, TMS

4:30 New Initiatives

Prof. G. B. Olson, Northwestern

5:30 **RECEPTION**

**CHiMaD HQ: Hogan Hall**

7:00 **DINNER**

**Hotel Orrington**

Perspective on MGI

Dr. A. Asphahani, CEO QuesTek



  
**MATERIALS DESIGN: 31<sup>st</sup> Annual Meeting**  
**Northwestern University, 23 – 24 March 2015**  
**Preliminary Program**

**Tuesday, 24 March**

**Day 2: Design Applications**

**Ford Design Center**  
 ITW Room (1-350)  
<http://www.northwestern.edu/campus/maps.html>

8:15 AM Registration (Coffee & Pastry)

8:30 Overview

Prof. G. B. Olson, Northwestern

**A. Steel Designs**

9:00 HT Steels

C. Gross, Prof. Y-W. Chung, Dr. S. Vaynman, & Prof. M. Fine, Northwestern

9:30 Blastalloy PH-TRIP Steels

N. Wengrenovich, Northwestern

10:00 Q&P TRIP Steels

A. Behera, Northwestern

10:30 **BREAK**

10:45 Flying Cybersteels

J. Grabowski, QuesTek

**B. CyberAlloys**

11:15 Ni Superalloys

Dr. J. Gong, QuesTek

11:45 Cast Al Q-alloy

A. Bobel, Northwestern

12:15 PM **LUNCH**

**Allen Center**

1:45 CHiMaD PH-Co @ QuesTek

Dr. J. Saal, QuesTek

2:15 Additive Manufacturing

F. Yan & Dr. Wei Xiong, Northwestern

2:45 Alloys for Additive

Dr. J Sebastian, QuesTek

3:15 **BREAK**

3:30 Medical SMA Applications

P. Adler, Medtronic

4:00 PH SMAs

D. Frankel, Northwestern

4:30 Bio-Martensite

R. Komai, Northwestern

5:00 **ADJOURN**