

**Materials Technology Laboratory / Steel Research Group
30th Annual Meeting
Northwestern University, 24 – 25 March 2014
Final Program**

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 Materials Initiatives in Japan

Dr. K. Tsuchiya, NIMS

10:15 CHiMaD

Prof. P. W. Voorhees, Northwestern

10:45 **BREAK**

B. Methods & Tools

11:00 LEAP Tomographic Analysis

Prof. D. N. Seidman, Northwestern

11:30 ABC Multiscale Continuum Method

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

2:15 Electron-Level Analysis

Dr. M. Eberhart, CSM

C. Materials Genomics

2:45 Hero-m @ KTH

Prof. A. Borgenstam, KTH

3:15 **BREAK**

3:30 Genome III @ NIST/CHiMaD

Dr. C. Campbell, NIST

4:00 CHiMaD Data Mining

Dr. A. Agrawal & Prof. A. Choudhary, NU

4:30 ICME & Manufacturing @ TMS

Dr. G. Spanos, TMS

6:00 **RECEPTION & DINNER**

Allen Center

Perspective on MGI

Dr. Bill Mullins, ONR

**Materials Technology Laboratory / Steel Research Group
30th Annual Meeting
Northwestern University, 24 – 25 March 2014
Final Program**

Tuesday, 25 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 Design and Development of Fire-Resistant Steels C. Gross, Prof. Y-W. Chung,
Dr. S. Vaynman, & Prof. M. Fine, NU

9:30 Blastalloy PH-TRIP 180 N. Wengrenovich, Northwestern

10:00 TMP & HCF Dr. J. Sebastian, QuesTek

10:30 **BREAK**

10:45 HS Cast Iron Dr. A. Catalina, Caterpillar

11:15 HS Cast Crankshaft Steel Dr. R. Huff, Caterpillar

11:30 Flying Cybersteels J. Grabowski, QuesTek

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

B. CyberAlloys

1:45 Hero-m meets CHiMaD Dr. W. Xiong, Northwestern

2:15 PH-Co @ QuesTek Dr. J. Gong, QuesTek

2:45 Cast Al Q-alloy A. Bobel, Northwestern

3:15 **BREAK**

3:30 QT 7XXX Al Alloy D. Snyder, QuesTek

3:30 TRIP Ti J. Yan, Northwestern

4:30 Bio-Martensite R. Komai, Northwestern

5:00 **ADJOURN**