

Saturday, November 15

5:00 pm – 7:00 pm Check-in/Registration (outside Chasen Family Room)

6:30 pm – 9:00 pm Reception (Chasen Family Room)

Sunday, November 16

7:15 am – 8:15 am Continental Breakfast (Main Concourse East)
Registration (near room 1123)

8:15am – 12:30 pm **Sunday Morning Session** (Founders room)
Chair: Laura Greene (U of Illinois)

8:15 Introduction - Rick Greene

8:30 Hiroshi Eisaki (AIST)
Overview from Japan

9:00 Nan Lin Wang (IOP, Beijing)
Competing orders and SDW instability in layered FeAs Systems

9:30 Paul Canfield (ISU - Ames)
Single crystal growth and pressure dependent low temperature properties of FeAs-based compounds

10:00 Break

10:30 David Mandrus (ORNL)
An overview of ORNL work on the new Fe-based superconductors

11:00 Joe Thompson (Los Alamos NL)
Overview of Los Alamos progress on the 1-2-2 Pnictides

11:30 Christoph Geibel (MPI - Chemical Physics of Solids)
Overview from the MPI-Dresden

12:00 General discussion

12:30 Lunch Buffet (room 1123)

- 1:45 - 5:00 pm **Sunday Afternoon Session** (Founders)
Chair: Jeff Lynn (NIST)
- 1:45 Adam Kaminski (ISU – Ames)
ARPES measurements of Fermi surface and Superconducting gap in FeAs superconductors
- 2:00 Z.X. Shen (Stanford)
Recent ARPES data from Fe-Pnictides
- 2:15 ARPES Discussion
- 2:30 Pengcheng Dai (ORNL – University of Tennessee)
Neutron Scattering overview
- 3:00 Nick Curro (UC Davis)
NMR overview
- 3:30 Break
- 4:00 Paul Chu (Houston and Hong Kong)
One layer FeAs Pnictides
- 4:30 Simon Clarke (Oxford)
Structures and Superconductivity of LiFeAs and NaFeAs
- 4:40 General Discussion
- 5:00 – 9:00 pm Poster Session
Chair: Johnpierre Paglione (U of Maryland)
- 5:00 Poster Presentations (Founders)
- 6:00 – 9:00 pm Poster Session with buffet dinner (Lower Level Concourse)

Monday, November 17

- 7:30 am Networking Breakfast with Laura Greene
Continental Breakfast for others (Main Concourse East)
- 8:30 am – 12:30 pm **Pairing Symmetry/Tunneling Session** (Founders)
Chair: Andrey Chubukov (U of Wisconsin)
- 8:30 Graeme Luke (McMaster)
□ *SR Overview*
- 8:50 Ruslan Prozorov (ISU – Ames)
Penetration depth and superfluid density

- 9:10 Chia-Ling Chien (Johns Hopkins)
Gap and pseudogap of Fe-pnictide Superconductors
- 9:25 Kam Moler (Stanford)
Scanning SQUID studies of Fe-pnictides
- 9:40 Lesley Cohen (Imperial College)
Point contact Andreev reflection spectroscopy
- 9:55 Jennifer Hoffman (Harvard)
STS and Vortex imaging in $BaFe_{1.9}Co_{0.2}As_2$
- 10:10 Discussion
- 10:30 Break
- 11:00 – 12:30 pm **Theory Overview and Panel Discussion**
Chair and Moderator: Philip Phillips (U of Illinois)
Panel: Joerg Schmalian (ISU), Igor Mazin (NRL),
Gabi Kotliar (Rutgers), Elihu Abrahams (Rutgers)
- 11:00-11:25 Igor Mazin (NRL) - Overview
- 11:25 – 12:30 Panel Discussion
- 12:30 Lunch Buffet (room 1123)
- 1:45 – 5:00 pm **Monday Afternoon Session** (Founders)
Chair: Igor Mazin (NRL)
- 1:45 Tom Timusk (McMaster)
Optics Overview
- 2:05 Suchitra Sebastian (Cambridge, UK)
Fermi Surface from Quantum Oscillations in $SrFe_2As_2$
- 2:20 Amalia Coldea (Bristol, UK)
Fermi Surface from Quantum Oscillations in $LaFePO$
- 2:35 Luis Balicas (Florida NHFL)
High field torque magnetometry in Fe-based Superconductors
- 2:55 Fedor Balakirev (Los Alamos NHFL)
High field transport in FeAs-based materials
- 3:15 Break
- 3:45 Summary Discussion (L. Greene, Qimiao Si, Joe Thompson)
- 5:00 End of workshop

