

## Superconductivity-related Sessions at the APS March Meeting 2014

**Mar 3 2014 8:00AM, Monday**

**Session A13 [Focus Session: Fe based superconductors-Magnetism and Nematicity](#)** Sponsor: DMP  
Chair: *Wei-Cheng Lee, University of Illinois* Room: 207  
Invited Speakers: *Joerg Schmalian*

**Session A26 [Materials at High Pressure: Methods and Superconductors](#)** Sponsor: DCOMP DMP  
GSCCM Chair: *Christopher Seagle, Sandia National Laboratories* Room: 502

**Session A28 [Focus Session: Superconducting Qubits: Design & Tunable Coupling](#)** Sponsor: GQI Chair:  
*Douglas McClure, IBM* Room: 601  
Invited Speakers: *William Oliver*

**Session A34 [Focus Session: AMO Quantum Information Processing and Superconducting Qubits: Exploring Interactions of Photons and Qubits](#)** Sponsor: GQI DAMOP Chair: *Kenneth Brown, Georgia Institute of Technology* Room: 704  
Invited Speakers: *Tracy Northup*

**Session A47 [Superconducting Devices and Applications](#)** Sponsor: DCMP Chair: *Neda Foroozani, Washington University* Room: *Mile High Ballroom 4F*

**Session A53 [Quantum Criticality and Fluctuations in Copper-oxide Superconductors](#)** Sponsor: DCMP  
Chair: *Xiao-Jia Chen, Carnegie Institution of Washington* Room: *Mile High Ballroom 2C*

**Mar 3 2014 11:15AM, Monday**

**Session B13 [Focus Session: Fe-Based Superconductors-1111's,122's](#)** Sponsor: DMP Chair: *Athena Sefat, Oak Ridge National Laboratory* Room: 207  
Invited Speakers: *Hideo Hosono*

**Session B28 [Focus Session: Superconducting Qubits: Error Correction & Validation Methods](#)**  
Sponsor: GQI Chair: *Alexandre Blais, Sherbrooke University* Room: 601  
Invited Speakers: *Brian Vlastakis*

**Session B47 [Superconductors/Ferromagnet Multilayer Structures](#)** Sponsor: DCMP Chair: *Chia-Ling Chien, Johns Hopkins University* Room: *Mile High Ballroom 4F*

**Mar 3 2014 2:30PM, Monday**

**Session D28 [Focus Session: Superconducting Qubits: Gates and Entanglement](#)** Sponsor: GQI Chair:  
*Joel Strand, Northrop Grumman* Room: 601  
Invited Speakers: *Yasunobu Nakamura*

**Session D35 [Focus Session: Superconducting Qubits: Simulation & Annealing](#)** Sponsor: GQI Chair:  
*Andrew Cross, IBM* Room: 702  
Invited Speakers: *Yi Yin*

**Session D47 [Theory of Unconventional Superconductivity: Mainly Topical Phases](#)** Sponsor: DCMP  
Chair: *Michael Senthof, Stanford University* Room: *Mile High Ballroom 4F*

**Session D52 [Optical Probes in Copper-oxide Superconductors](#)** Sponsor: DCMP Chair: *Nan-Lin Wang, Chinese Academy of Sciences* Room: *Mile High Ballroom 1F*

**Mar 4 2014 8:00AM, Tuesday**

**Session F13 [Focus Session: Fe Based Superconductors-Orbital Physics](#)** Sponsor: DMP Chair: *Adriana Moreo, University of Tennessee* Room: *207*  
Invited Speakers: *Luca de Medici*

**Session F23 [Invited Session: Industrial Physics Forum: The Squid at 50: Impact and Future](#)** Sponsor: FIAP Chair: *John Clarke, University of California, Berkeley, Dale Van Harlingen, University of Illinois at Urbana-Champaign* Room: *505-507*  
Invited Speakers: *Arnold Silver, John Clarke, Kent Irwin, Catherine Foley, Risto Ilmoniemi*

**Session F28 [Focus Session: Superconducting Qubits: Coherence & Noise](#)** Sponsor: GQI Chair: *David Schuster, University of Chicago* Room: *601*  
Invited Speakers: *P. Bertet*

**Session F43 [Topological Superconductivity: Theory](#)** Sponsor: DCMP Chair: *Sasha Balatsky, Los Alamos National Laboratory* Room: *Mile High Ballroom 4B*

**Session F50 [Superconductivity: Josephson and Proximity Effects](#)** Sponsor: DCMP Chair: *Jian-Xin Zhu, Los Alamos National Laboratory* Room: *Mile High Ballroom 1D*

**Session F52 [Focus Session: New and Improved Superconducting Materials](#)** Sponsor: DMP Chair: *Eric Palm, National High Magnetic Field Laboratory* Room: *Mile High Ballroom 1F*  
Invited Speakers: *Duygu Yazici*

**Mar 4 2014 11:15AM, Tuesday**

**Session G13 [Focus Session: Fe-based Superconductors-Pairing Symmetry and Damage](#)** Sponsor: DMP Chair: *Roman Movshovich, Los Alamos National Laboratory* Room: *207*  
Invited Speakers: *Jean Philippe Reid*

**Session G32 [Invited Session: Superconducting Qubits](#)** Sponsor: GQI DCMP Chair: *Matthias Steffen, IBM* Room: *708-712*  
Invited Speakers: *Douglas McClure, Andreas Wallraff, Leonardo DiCarlo, Frank Wilhelm, John Preskill*

**Mar 4 2014 2:30PM, Tuesday**

**Session J13 [Focus Session: ARPES in Fe-Based Superconductors](#)** Sponsor: DMP Chair: *Alessandra Lanzara, University of California, Berkeley* Room: 207  
Invited Speakers: *Donglai Feng, Xingjiang Zhou*

**Session J28 [Superconducting Qubits: Topological Effects, Entanglement and EIT](#)** Sponsor: GQI Chair: *Britton Plourde, Syracuse University* Room: 601

**Session J39 [Invited Session: Transport, Superconductivity, and Magnetism at the LAO/STO Interface](#)** Sponsor: DCMP Chair: *Allan H. MacDonald, University of Texas at Austin* Room: *Mile High Ballroom 2A-3A*  
Invited Speakers: *Harold Y. Hwang, Shahal Ilani, Mohit Randeria, Jochen Mannhart*

**Session J40 [Invited Session: Superconductivity and Magnetism of Iron-based Superconductors II](#)**  
Sponsor: DCMP Chair: *Collin Broholm, Johns Hopkins University* Room: *Mile High Ballroom 2B-3B*  
Invited Speakers: *Vivek Thampy, Zhongkai Liu, Igor Zaliznyak, Lili Wang, Fa Wang*

**Mar 5 2014 8:00AM, Wednesday**

**Session L13 [Focus Session: Fe Based Superconductors-Pairing Symmetry](#)** Chair: *Peter Hirschfield, University of Florida* Room: 207  
Invited Speakers: *Douglas Scalapino*

**Session L34 [Superconducting Qubits: Two-level Systems & Decoherence](#)** Sponsor: GQI Chair: *Jerry Chow, IBM* Room: 704

**Session L52 [Focus Session: Superconductivity, Vortex Matter I](#)** Sponsor: DMP Chair: *Leonardo Civale, Los Alamos National Laboratory* Room: *Mile High Ballroom 1F*  
Invited Speakers: *Francois Peeters, Wai-Kwong Kwok*

**Mar 5 2014 11:15AM, Wednesday**

**Session M13 [Focus Session: Fe-based Superconductors-Optical properties](#)** Chair: *David Tanner, University of Florida* Room: 207  
Invited Speakers: *Masamichi Nakajima*

**Session M28 [Superconducting Qubits: Measurement & Photodetection](#)** Sponsor: GQI Chair: *Konrad Lenhart, National Institute of Standards and Technology* Room: 601

**Session M36 [Superconducting Qubits: Fabrication & Materials](#)** Sponsor: GQI Chair: *Andreas Wallraff, ETH Zurich* Room: 703

**Session M41 [Topological Superconductors: Bulk and Interfaces](#)** Sponsor: DCMP Chair: *Wei-Feng Tsai, University of Taiwan* Room: *Mile High Ballroom 3C*

**Session M43 [Electronic Structures of Insulators and Superconductors](#)** Sponsor: DCMP Chair: *Tai C. Chiang, University of Illinois at Urbana-Champaign* Room: *Mile High Ballroom 4B*

**Session M52 [ARPES in Copper-oxide Superconductors](#)** Sponsor: DCMP Chair: *Timir Datta, University of South Carolina* Room: *Mile High Ballroom 1F*

**Mar 5 2014 2:30PM, Wednesday**

**Session Q13 [Focus Session: Fe-based Superconductors-STM and Neutrons](#)** Sponsor: DMP Chair: *Andreas Kreyssig, Iowa State University* Room: *207*  
Invited Speakers: *Yayu Wang*

**Session Q28 [Focus Session: Superconducting Qubits: Trajectories & Measurement](#)** Sponsor: GQI  
Chair: *Jay Gambetta, IBM* Room: *601*  
Invited Speakers: *Benjamin Huard*

**Session Q38 [Superconducting Qubits: Amplifiers & Readout](#)** Sponsor: GQI Chair: *Stefano Poletto, University of Delft* Room: *709/711*

**Session Q39 [Superconductivity: Sr<sub>2</sub>RuO<sub>4</sub> and Related Materials](#)** Sponsor: DCMP Chair: *Maxim Khodas, University of Iowa* Room: *Mile High Ballroom 2A-3A*

**Session Q48 [Superconductivity: Material and Properties](#)** Sponsor: DCMP Chair: *Martin Nikolo, St. Louis University* Room: *Mile High Ballroom 1A-1B*

**Session Q52 [Physical Properties of Copper-oxide Superconductors](#)** Sponsor: DCMP Chair: *Antony Carrington, University of Bristol* Room: *Mile High Ballroom 1F*

**Mar 6 2014 8:00AM, Thursday**

**Session S13 [Focus Session: Fe Based Superconductors-DFT and Pressure Effect](#)** Chair: *Rong Yu, Renmin University of China* Room: *207*  
Invited Speakers: *Roser Valenti*

**Session S48 [Invited Session: Multi-orbital Effects and Pairing Symmetry in Iron-Based Superconductors](#)** Sponsor: DCMP Chair: *Andrey Chubukov, University of Wisconsin-Madison* Room: *Mile High Ballroom 1A-1B*  
Invited Speakers: *Rafael Fernandes, Adriana Moreo, Hong Ding, Fazel Fallah Tafti, Saurabh Maiti*

**Session S52 [Focus Session: Superconductivity, Vortex Matter II](#)** Sponsor: DMP Chair: *Alex Gurevich, Old Dominion University* Room: *Mile High Ballroom 1F*  
Invited Speakers: *Shi-Zeng Lin, Jose L. Vicent*

**Mar 6 2014 11:15AM, Thursday**

**Session T13 [Focus Session: Fe-Based Superconductors-STEM,11's,Various](#)** Sponsor: DMP Chair: *Pradeep Kumar, University of Florida* Room: *207*  
Invited Speakers: *Claudia Cantoni*

**Session T34 [Focus Session: Superconducting Qubits: 3D & Resonators](#)** Sponsor: GQI Chair: *Michael Vissers, National Institute of Standards and Technology* Room: 704  
Invited Speakers: *G. Kirchmair*

**Mar 6 2014 2:30PM, Thursday**

**Session W13 [Focus Session: Fe-Based Superconductors-Moments/Fluctuations/NMR](#)** Sponsor: DMP  
Chair: *Kenji Ishida, Kyoto University* Room: 207  
Invited Speakers: *Young-June Kim*

**Session W40 [Invited Session: Electronic Correlations in Unconventional Superconductors](#)** Sponsor:  
DCMP Chair: *Dung-Hai Lee, University of California, Berkeley* Room: *Mile High Ballroom 2B-3B*  
Invited Speakers: *Subir Sachdev, Catherine Pepin, Neil Harrison, Qimiao Si, Hae-Young Kee*

**Session W52 [Superconductivity: General Theory](#)** Sponsor: DCMP Chair: *Ronny Thomale, University of Wurzburg* Room: *Mile High Ballroom 1F*

**Mar 7 2014 8:00AM, Friday**

**Session Y13 [Focus Session: Fe Based Superconductors-Correlation Effects](#)** Sponsor: DMP Chair:  
*Rafael Fernandes, University of Minnesota* Room: 207  
Invited Speakers: *Kristjan Haule*

**Session Y23 [Invited Session: Quantum Bath Engineering with Superconducting Circuits](#)** Sponsor:  
DCMP GQI Chair: *Alexandre Blais, Universite de Sherbrooke* Room: 505-507  
Invited Speakers: *Irfan Siddiqi, Shyam Shankar, Joseph Kerckhoff, Nicolas Didier, Yingdan Wang*

**Session Y46 [Focus Session: Superconductivity, Vortex Matter-III; Unconventional Structures and Transport](#)** Sponsor: DCMP Chair: *Alexei Koshelev, Argonne National Laboratory* Room: *Mile High Ballroom 4E*

**Session Y47 [Theory of Strongly Correlated Superconductivity](#)** Sponsor: DCMP Chair: *Brian Moritz, SLAC National Accelerator Laboratory* Room: *Mile High Ballroom 4F*

**Session Y52 [Competing Orders and Phase Diagrams in Copper-oxide Superconductors](#)** Sponsor:  
DCMP Chair: *Hai-Hu Wen, Nanjing University* Room: *Mile High Ballroom 1F*

**Mar 7 2014 11:15AM, Friday**

**Session Z13 [Focus Session: Fe-based Superconductors-Nematicity](#)** Sponsor: DMP Chair: *Chris Homes, Brookhaven National Laboratory* Room: 207  
Invited Speakers: *Philipp Gegenwart*

**Session Z40 [Invited Session: Unconventional Superconducting Pairing in Heavy Fermion Materials](#)**

Sponsor: DCMP Chair: *Qimiao Si, Rice University* Room: *Mile High Ballroom 2B-3B*

Invited Speakers: *Brian Zhou, Dirk Morr, Yuji Matsuda, David Broun, Rebecca Flint*

**Session Z46 [Theory of Majorana States in Superconductors](#)** Chair: *Greg Boyd, Georgetown University*

Room: *Mile High Ballroom 4E*

**Session Z47 [Superconductivity: Pseudogap, Fluctuations, Anisotropy](#)** Chair: *Werner Hanke,*

*University of Wuerzburg* Room: *Mile High Ballroom 4F*

**Session Z52 [Superconductivity: Tunneling Phenomena](#)** Sponsor: DCMP Chair: *Michael Osofsky, Navel*

*Research Laboratory* Room: *Mile High Ballroom 1F*