

The workshop will take place in the APS **building 402, room E1100**.

Friday, Nov. 11, 2016

Morning session

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|---------------------|---|-----------------------------|
| 8:00 am | Registration and breakfast | |
| 8:50 am – 9:00 am | Welcome | Jonathan Long (ANL) |
| 9:00 am – 10:00 am | Introduction to Mössbauer spectroscopy | Brent Fultz (Caltech) |
| 10:00 am - 10:10 am | Coffee break | |
| 10:10 am - 11:20 am | Introduction to Synchrotron Mössbauer Spectroscopy (SMS) | Wolfgang Sturhahn (Caltech) |
| 11:20 am - 12:30 pm | Hyperfine interactions and studies of magnetism using nuclear resonant scattering | Ralf Röhlsberger (DESY) |
| 12:30 pm | Group Photo | |
| 12:40 pm | Lunch | |

Afternoon session

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|-------------------|------------------|-------------------|
| 1:30 pm – 3:30 pm | CONUSS (part I) | Wolfgang Sturhahn |
| 3:30 pm – 3:45 pm | Coffee break | |
| 3:45 pm – 6:30 pm | CONUSS (part II) | Wolfgang Sturhahn |
| 6:30 pm | Dinner | |

Saturday, Nov. 12

Morning session

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|---------------------|---|----------------------------|
| 8:30 am | Breakfast | |
| 9:00 am – 9:40 am | Geophysical Applications of Nuclear Resonant Scattering | Jennifer Jackson (Caltech) |
| 9:40 am – 10:30 am | CONUSS (part III) | Wolfgang Sturhahn |
| 10:30 am – 10:45 am | Coffee break | |
| 10:45 am – 12:30 pm | CONUSS (part IV) | Wolfgang Sturhahn |
| 12:30 pm | Lunch | |

Afternoon session

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|-------------------|------------------|-------------------|
| 1:30 pm – 3:50 pm | CONUSS (part V) | Wolfgang Sturhahn |
| 3:50 pm – 4:00 pm | Coffee break | |
| 4:00 pm – 6:30 pm | CONUSS (part VI) | Wolfgang Sturhahn |
| 6:30 pm | Dinner | |

Sunday, Nov. 13

Morning session

| | | |
|---------------------|--|----------------------------------|
| 8:30 am | Breakfast | |
| 9:00 am – 9:50 am | Introduction to NRIXS | Wolfgang Sturhahn |
| 9:50 am – 10:40 am | Introduction to lattice dynamics | John Tse (U. of Saskatchewan) |
| 10:40 am – 10:50 am | Coffee break | |
| 10:50 am – 11:40 am | Introduction to Isotope Fractionation and SciPhon-demo | Nicholas Dauphas (U. of Chicago) |
| 11:40 am – 12:30 pm | PHOENIX (part I) | Wolfgang Sturhahn |
| 12:30 pm | Lunch | |

Afternoon session

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|-------------------|--|-------------------|
| 1:30 pm – 3:30 pm | PHOENIX (part II) | Wolfgang Sturhahn |
| 3:30 pm – 3:45 pm | Coffee break | |
| 3:45 pm – 4:25 pm | Instrumentation and recent development at Sector 3 | Jiyong Zhao (ANL) |
| 4:25 pm – 5:00 pm | Open discussion: experimental issues and data analysis | |
| 5:00 pm – 6:00 pm | Presentation from participants | |
| 6:00 pm | Dinner | |