

<b>Tuesday May 5<sup>th</sup></b>	<b>Wednesday May 6<sup>th</sup>*</b> Building 362 auditorium	<b>Thursday May 7<sup>th</sup></b> APS main auditorium - Bldg 402	<b>Friday May 8<sup>th</sup></b> APS main auditorium - Bldg 402
6:30pm-8:00pm <b>Welcome</b>	08:30-08:45 <b>Opening remarks</b> <i>H-K Mao(Carnegie Institution of Washington, DC)</i>		
	08:45 – 10:30 <b>Fundamental Matter under Extreme Conditions</b>  <i>Chair: H-K Mao (Carnegie Institution of Washington)</i> E. Gregoryanz (U. Edinburgh, UK) C. Benmore (Argonne National Laboratory, IL) A. Goncharov (Carnegie Institution of Washington, DC)	08:45 - 10:30 <b>Dynamic Compression: Frontiers in Real Time Measurement</b>  <i>Chair: G. Shen(Carnegie Institution Washington, DC)</i> W. Evans(Lawrence Livermore National Laboratory) G. Collins (Lawrence Livermore National Laboratory)	08:45 – 10:30 <b>3D Imaging at high pressure</b>  <i>Chair: F. De Carlo(Argonne National Laboratory)</i> M. Rivers (University of Chicago) I. McNulty (Argonne National Laboratory, IL) X.Xiao (Argonne National Laboratory, IL)
	<i>10:30-10:45 Coffee Break</i>	<i>10:30-10:45 Coffee Break</i>	<i>10:30-10:45 Coffee Break</i>
	10:45 – 12:30 <b>Extreme Biology: x-ray techniques and the study of proteins under pressure</b>  <i>Chair: K. Brister (U. Chicago, IL)</i> R. Winter (Dortmund, U. T , Germany) C. U. Kim (Cornell U., NY) R. Fourme (Synchrotron Soleil, France)	10:45 – 12:30 <b>Magnetism in Dense Matter</b>  <i>Chair:D. Haskel (Argonne National Laboratory, IL)</i> V. Struzhkin(Carnegie Institution of Washington, DC) N. Souza(Argonne National Laboratory, IL) W. Sturhahn (Argonne National Laboratory, IL)	10:45 – 12:30 <b>Novel Materials and properties at high pressure</b>  <i>Chair: Mark Rivers, University of Chicago, IL</i> T. Irifune (Ehime-U., Japan) N. Dubrovinskaia (U. Heidelberg, Germany) M. Lerche (Carnegie Institution of Washington, DC)
	<i>12:30-2:15 Lunch</i>	<i>12:30-2:00 Lunch</i>	<i>12:30-2:00 Lunch</i>
	2:15 – 4:00 <b>Physics and Chemistry of Earth and Planetary Interiors</b>  <i>Chair: V. Prakapenka (U. Chicago, IL)</i> L. Dubrovinsky (U. Bayreuth, Germany) R. Boehler(Max Planck Institute for Chemistry, Germany) T. Duffy(Princeton U.,NJ )	2:00 – 3:45 <b>HP Phenomena in Liquids and Glasses</b>  <i>Chair:C.J. Benmore (Argonne National Laboratory, IL)</i> Robert Mayanovic (Missouri S. U., MO) Q. Mei (Carnegie Institution of Washington, DC) A. Chumakov (European Synchrotron Radiation Facility, France)	2:00 – 3:45 <b>Frontiers in Inelastic Spectroscopy</b>  <i>Chair: E.E. Alp (Argonne National Laboratory)</i> I. Loa (U. Edinburgh, UK) W. Mao(Stanford, U. CA) C.Parlinski,(Institute Nuclear Physics, Poland)
	<i>4:00 – 4:15 Coffee Break</i>	<i>3:45 – 4:00 Coffee Break</i>	<i>3:45 – 4:00 Coffee Break</i>
	4:15 – 6:00 <b>Technical Session: Future High-Pressure Science Using Nano-beams</b>  <i>Chair: Zonghou Cai</i> L. Wang(Carnegie Institution of Washington) W. Yang (Carnegie Institution of Washington) W. Liu(Argonne National Laboratory)	4:00 – 5:45 <b>Technical Session: Trans' Instrumentation for the next Decade of High Pressure Research</b>  <i>Chair: G. Srajer(Argonne National Laboratory)</i> J. Miao (U. C. Los Angeles, CA) Y. Vohra (University of Alabama, AL) S. Pascarelli (European Synchrotron Radiation Facility, France)	4:00 – 5:45 <b>Technical Session: Online Optical Spectroscopy</b>  <i>Chair: Mark Rivers, University of Chicago, IL</i> A. Goncharov (Carnegie Institution of Washington, DC) S. Sinogeikin (Carnegie Institution of Washington, DC) V. Prakapenka (U. Chicago, IL)
	7:00 – 9:00 <b>Dinner</b>	6:00 – 7:30 <b>Poster Session</b>	5:45 <b>Close</b>
		7:45 - 9:00 <b>Conference Dinner (ANL Guesthouse)</b>	

\* In conjunction with the final day of the APS Users Meeting