

## PROGRAM

### 11 JULY MONDAY - SESSIONS I/VIII

#### 11 JULY – Monday– Aula Magna

8:30-10:30	<i>Session I</i>	Chairman: <b>A. Bianconi, A. Bishop</b>
8:30 – OPENING		
9:00-9:30	<b>L. H. Greene</b>	<i>Detecting electronic order with point contact spectroscopy: Heavy-fermions to Fe-based superconducting and related materials</i>
9:30-10:00	<b>Y. Iwasa</b>	<i>Electric Field Control of Interface Quantum Phases Quantum Criticality and Superconductivity in Spin and Charge Systems</i>
10:00-10:30	<b>S. Saxena</b>	<i>Quantum Criticality and Superconductivity in Spin and Charge Systems</i>
10:30-11:00	Coffee Break	

#### 11 JULY – Monday– Aula Magna

11:00-13:00	<i>Session II</i>	Chairman: <b>A. Chubukov, H. Keller</b>
11:00-11:30	<b>A. Bansil</b>	<i>A New Generation of Modeling Highly Resolved Spectroscopies: Cuprates, Pnictides and Topological Insulators</i>
11:30-12:00	<b>A. Lanzara</b>	<i>A Pump Probe Angle-Resolved Photoemission Study of high temperature superconductors</i>
12:00-12:25	<b>D. LeBoeuf</b>	<i>The rise and fall of the electron pocket in hole-doped cuprates</i>
12:25-12:50	<b>Ming Shi</b>	<i>ARPES Studies of High-Temperature Superconductors</i>
12:50-13:15	<b>D. Pavuna</b>	<i>Doping, Strains and Electric Field Effects on Superconductivity in thin <math>La_{2-x}Sr_xCuO_4</math> films</i>
13:05-14:00	Lunch Break	

#### 14:00-15:00 Poster Session\*

#### 11 JULY – Monday – Aula Magna

14:45-16:45	<i>Session III</i>	Chairman: <b>S. V. Borisenko, D. Pavuna</b>
14:45-15:15	<b>N. Hussey</b>	<i>Quantum oscillations in overdoped <math>Tl_2Ba_2CuO_{6+\delta}</math> implications</i>
15:15-15:45	<b>M. V. Kartsovnik</b>	<i>Magnetic Quantum Oscillations and the Fermi Surface in <math>Nd_{2-x}Ce_xCuO_4</math></i>
15:45-16:15	<b>U. Bovensiepen</b>	<i>Femtosecond time- and angle-resolved photoelectron spectroscopy of high-Tc superconductors</i>
16:15-16:45	<b>T. A. Maier</b>	<i>Superconductivity in striped and multi-Fermi-surface Hubbard models: From the cuprates to the iron-based superconductors</i>
16:45-17:15	Coffee Break	

#### 11 JULY – Monday – Aula Chimica A

14:45-16:45	<i>Session IV</i>	Chairman: <b>M. Grilli, D. Manske</b>
14:45-15:15	<b>I. Martin</b>	<i>Spontaneous non-coplanar magnetism and anomalous Hall effect in itinerant magnets</i>
15:15-15:45	<b>G. Seibold</b>	<i>Magnetic structure of electronic inhomogeneities in cuprates Competition between stripes and spiral</i>
15:45-16:15	<b>Yuan LI</b>	<i>Unusual magnetic excitations in the pseudogap phase of a high-Tc superconductor</i>
16:15-16:45	<b>Sumio Ishihara</b>	<i>Stripe-type charge order and electric polarization in complex oxides</i>
16:45-17:15	Coffee Break	

**11 JULY – Monday – Aula Chimica B**

14:45-16:45	<i>Session V</i>	Chairman: <b>A. Lanzara, S. Saxena</b>
14:45-15:15	<b>G. Le Lay</b> <i>Silicene epitaxial sheets</i>	
15:15-15:45	<b>C. Berger</b> <i>High mobility epitaxial graphene for graphene nanoelectronics</i>	
15:45-16:15	<b>L. Boeri</b> <i>Exotic Electron-Phonon Superconductivity in Solid Picene and Intercalated Hydrocarbons</i>	
16:15-16:45	<b>B. Møller Andersen</b> <i>Disorder-induced stripes in the high-<math>T_c</math> superconductors</i>	
16:45-17:15	Coffee Break	

**11 JULY – Monday – Aula Magna**

17:15-19:30	<i>Session VI</i>	Chairman: <b>A. Bansil, Y. Iwasa</b>
17:15-17:45	<b>M. Oda</b> <i>Dichotomy of the Fermi surface in Bi2212: STM/STS and pump-probe optical experiments</i>	
17:45-18:15	<b>B. Fine</b> <i>Implications of the spin vortex lattice scenario for <math>\mu</math>SR and NQR experiments in 1/8-doped lanthanum cuprates</i>	
18:15-18:45	<b>A. Piriou</b> <i>First direct observation of the Van Hove Singularity in the tunnelling spectra of cuprate Vortices in nano-size superconductors studied by low-temperature scanning tunneling microscopy / spectroscopy</i>	
18:45-19:15	<b>Y. Hasegawa</b> <i>Vortices in nano-size superconductors studied by low-temperature scanning tunneling microscopy / spectroscopy</i>	
19:15-19:30	<b>D. Popović</b> <i>Noise and Memory Effects in the Charge Response of Lightly Doped <math>La_{2-x}Sr_xCuO_4</math></i>	

**11 JULY – Monday – Aula Chimica A**

17:15-19:15	<i>Session VII</i>	Chairman: <b>A. M. García-García, R. S. Gonnelli</b>
17:15-17:45	<b>S. Brazowski</b> <i>Modeling of the ground state reconstruction by vortices in nano-junctions of Charge Density Waves</i>	
17:45-18:15	<b>T. Örd</b> <i>Correlation lengths in a two-band superconductor with intra- and interband coupling</i>	
18:15-18:45	<b>M. Yu. Kagan</b> <i>Anomalous Resistivity and the electron-polaron effect in the two-band Hubbard model with one narrow band</i>	
18:45-19:15	<b>G. A. Ummarino</b> <i>Multiband <math>s_{\pm}</math> Eliashberg theory and temperature-dependent spin-resonance energy in iron pnictide superconductors</i>	

**11 JULY – Monday – Aula Chimica B**

17:15-19:30	<i>Session VIII</i>	Chairman: <b>P. Postorino, G. Le Lay</b>
17:15-17:45	<b>P. Carretta</b> <i>Frustration in spin-diluted pnictides, vanadates and cuprates</i>	
17:45-18:15	<b>M. -H. Julien</b> <i>Magnetic-field-induced stripe order in <math>YBa_2Cu_3O_y</math></i>	
18:15-18:45	<b>S. D. Conradson</b> <i>Dynamical Processes in Hypervalent Urania</i>	
18:45-19:15	<b>B. Sacépé</b> <i>Localization of preformed Cooper-pairs in disordered superconductors</i>	
19:15-19:30	<b>L. Baldassarre</b> <i>Metal to Insulator Transition and Phase separation in Cr-doped <math>V_2O_3</math></i>	

## 12 JULY TUESDAY- SESSIONS IX/XVI

### 12 JULY - Tuesday – Aula Magna

8:30-10:30	<i>Session IX</i>	Chairman: C. Di Castro, A. S. Alexandrov
8:30-9:00	<b>J. E. Hirsh</b>	<i>Correcting 100 years of misunderstanding: electric fields in superconductors, hole superconductivity, and the Meissner effect</i>
9:00-9:30	<b>P. Phillips</b>	<i>Mottness and Holography</i>
9:30-10:00	<b>A. Chubukov</b>	<i>Symmetry and structure of the superconducting gap in Fe-based superconductors Lattice complexity and shape resonances in multigap superconductors: chalcogenides, pnictides, diborides and cuprates</i>
10:00-10:30	<b>A. Bianconi</b>	<i>Lattice complexity and shape resonances in multigap superconductors: chalcogenides, pnictides, diborides and cuprates</i>
10:30-11:00	Coffee Break	

### 12 JULY – Tuesday – Aula Magna

11:00-13:00	<i>Session X</i>	Chairman: A. Bianconi, D. Mihailovic
11:00-11:40	<b>A. R. Bishop</b>	<i>Gene Sequence Control of Conformational Structure and Functions in DNA Macroscopic coherence of large organic molecules: from fundamental quantum phenomena to measurements of molecular properties</i>
11:40-12:10	<b>M. Arndt</b>	<i>Macroscopic coherence of large organic molecules: from fundamental quantum phenomena to measurements of molecular properties</i>
12:10-13:00	<b>A. Patel</b>	<i>A Wave Model for Efficient Energy Transport in Photosynthesis</i>
13:05-14:00	Lunch Break	

14:00-15:00 Poster Session\*

### 12 JULY – Tuesday – Aula Magna

14:45-16:45	<i>Session XI</i>	Chairman: R. S. Markiewicz, A. Marcelli
14:45-15:15	<b>H. Takahashi</b>	<i>High- pressure studies for hydrogen substituted <math>\text{CaFeAsF}_{1-x}\text{H}_x</math>, and <math>\text{SmFeAsO}_{1-x}\text{H}_x</math></i>
15:15-15:45	<b>V. Hinkov</b>	<i>Universal correlation between the pairing strength and <math>T_c</math> in iron-arsenide and cuprate superconductors</i>
15:45-16:15	<b>H. Aoki</b>	<i>A perspective of superconductivity as multiband phenomena: Cuprate, iron and aromatic systems</i>
15:15-16:45	<b>J. Lorenzana</b>	<i>Quantum tricriticality in FeAs layers</i>
16:45-17:15	Coffee Break	

### 12 JULY – Tuesday – Aula Chimica A

14:45-16:45	<i>Session XII</i>	Chairman: S. Brazowskii, M. Yu. Kagan
14:45-15:15	<b>A. Perali</b>	<i>Pseudogap phase and remnant Fermi surface in ultracold Fermi gases and comparison with the pseudogap phase of cuprates</i>
15:15-15:45	<b>A. A. Shanenko</b>	<i>Cascade superconductor-to-normal transition in metallic nanowires</i>
15:45-16:15	<b>S. Bose</b>	<i>Quantum size effects in nanoscale superconductors</i>
15:15-16:45	<b>A. M. García-García</b>	<i>Enhancement of the critical temperature in iron-pnictide superconductors by finite size effects</i>
16:45-17:15	Coffee Break	

**12 JULY – Tuesday – Aula Chimica B**

14:45-16:45	<i>Session XIII</i>	Chairman: <b>P. Carretta, N. Kirova</b>
14:45-15:15	<b>W. Lang</b> <i>Non-Ohmic electrical transport properties in the pseudogap regime of underdoped <math>YBa_2Cu_3O_{6+x}</math></i>	
15:15-15:45	<b>P. Raychaudhuri</b> <i>Phase-Fluctuations Driven Pseudogap State in a Strongly Disordered Conventional Superconductor: NbN</i>	
15:45-16:15	<b>S. Haddad</b> <i>Enhancement of upper critical fields and Nernst effect by superconducting fluctuations in organic superconductors</i>	
15:15-16:45	<b>A. Salleo</b> <i>Neither crystalline nor amorphous: transport in organic semiconductors</i>	

**12 JULY – Tuesday – Aula Magna**

17:15-19:30	<i>Session XIV</i>	Chairman: <b>J. Karpinski, H. Takahashi</b>
17:15-17:45	<b>K. Koepnik</b> <i>Photoemission in iron pnictides, a DFT perspective</i>	
17:45-18:15	<b>R. S. Gonnelli</b> <i>The symmetry of order parameter(s) in Fe-based superconductors: The point-contact Andreev-reflection approach</i>	
18:15-18:45	<b>T. Samuely</b> <i>Scanning Tunneling Spectroscopy of Superconducting Energy Gap in <math>SrPd_2Ge_2</math> Single Crystal, Isostructural with 122 Iron Pnictides</i>	
18:45-19:00	<b>A. Marcelli</b> <i>Interplay between local structure and electronic and magnetic properties of F-doped oxypnictides</i>	
19:00-19:15	<b>Despina Louca</b> <i>Suppression of superconductivity in Fe chalcogenides by annealing: a reverse effect to pressure</i>	

**12 JULY – Tuesday – Aula Chimica A**

17:15-19:15	<i>Session XV</i>	Chairman: <b>A. Perali, A. A. Shanenko</b>
17:15-17:45	<b>W.-D. Schneider</b> <i>Quantum oscillations, superconductivity, zero-bias anomalies, and Coulomb blockade in supported nanoscale lead islands</i>	
17:45-18:15	<b>M. D. Croitoru</b> <i>In-plane magnetic field anisotropy in FFLO state in layered superconductors</i>	
18:15-18:40	<b>G. E. Johnstone</b> <i>Determining the Electronic Ground State in a Bilayer Manganite</i>	
18:40-19:10	<b>A. Kanigel</b>	
19:10-19:30	<b>D. Innocenti</b> <i>Shape resonance and crossover phenomena at a Lifshitz transition in multiband superconductors</i>	

**12 JULY – Tuesday – Aula Chimica B**

17:15-19:00	<i>Session XVI</i>	Chairman: <b>M. Oda, P. Raychaudhuri</b>
17:15-17:45	<b>T. R. Lemberger</b> <i>Square-root Scaling of <math>T_c</math> vs. Superfluid Density near the Underdoped and Overdoped Quantum Phase Transitions in Cuprate Superconductors</i>	
17:45-18:15	<b>P. Armitage</b> <i>Fast vortices in the Cuprates? A vortex plasma model analysis of the THz conductivity and diamagnetism in <math>La_{2-x}Sr_xCuO_4</math></i>	
18:15-18:45	<b>H. Iwasawa</b> <i>Angle-resolved photoemission studies of cuprate and ruthenate superconductors</i>	
18:45-19:15	<b>K. Kanoda</b> <i>Mottness, Spin Frustration and Superconductivity in Organics</i>	
19:15-19:30	<b>D. Di Gioacchino</b> <i>Coexistence of a superconducting and a magnetic phase in <math>NdFeAsO_{1-x}F_x</math> and <math>FeSe_xTe_{1-x}</math> systems</i>	

## 13 JULY WEDNESDAY - SESSIONS XVII/XVIII

### 13 JULY - Wednesday – Aula Magna

8:30-10:30	<i>Session XVII</i>	Chairman: L. H. Greene, P. Phillips
8:30-9:00	<b>H. Hosono</b> <i>Recent Advances in Iron Pnictide Superconductors and Relevant Materials</i>	
9:00-9:30	<b>Y. J. Uemura</b> <i>Energy-scale Phenomenology of Unconventional Superconductors: Comparable Charge and Spin Energies</i>	
9:30-10:00	<b>D. Mihailovic</b> <i>Coherent dynamics through symmetry-breaking transitions in electronically ordered systems</i>	
10:00-10:30	<b>S. V. Borisenko</b> <i>Superconductivity and magnetism in iron pnictides</i>	
10:30-11:00	Coffee Break	

### 13 JULY – Wednesday – Aula Magna

11:00-13:15	<i>Session XVIII</i>	Chairman: Y. J. Uemura, J. E. Hirsh
11:00-11:30	<b>G. Deutscher</b> <i>Inhomogenous Superconductivity and the role of Cu-O bond length fluctuations in the high <math>t_c</math> mechanism</i>	
11:30-12:00	<b>H. Keller</b> <i>From cuprate to iron-based superconductors – key elements of high- temperature superconductivity</i>	
12:00-12:30	<b>A. Bussmann-Holder</b> <i>Key signatures of multi-band and polaronic superconductors</i>	
12:30-13:00	<b>J. Mustre de León</b> <i>Effect of rare earth substitution in the density of electronic states of LnOFeAs</i>	
13:00-13:15	<b>N. Poccia</b> <i>Space-time imaging the non-equilibrium state of a cuprate high temperature superconductor</i>	
13:20	Lunch Break	

14:00-15:00	Poster Session*
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## 14 JULY THURSDAY- SESSIONS XIX/XXVI

### 14 JULY - Thursday – Aula Magna

8:30-10:30	<b>Session XIX</b>	Chairman: <b>G. Deutscher, D. M. Eagles</b>
8:30-9:00	<b>C. Di Castro</b>	<i>Frustrated Phase Separation in Cuprates, Past and Present</i>
9:00-9:30	<b>J. Zaanen</b>	<i>Observing the origin of superconductivity in quantum critical metals</i>
9:30-10:00	<b>G. Aeppli</b>	<i>Simplicity and complexity of the cuprates in real and reciprocal space</i>
10:30-11:00	<b>R. S. Markiewicz</b>	<i>Origins of Stripes in Cuprates: Nesting vs Phase Separation</i>
10:30-11:00	Coffee Break	

### 14 JULY – Thursday – Aula Magna

11:00-13:00	<b>Session XX</b>	Chairman: <b>N.L. Saini, J. Ashkenazi</b>
11:00-11:30	<b>Xingjiang Zhou</b>	<i>Distinct Fermi Surface Topology and nearly isotropic superconducting gap in the <math>A_x\text{Fe}_{2-y}\text{Se}_2</math> (<math>A=\text{K, Tl, Rb}</math> and etc.) Superconductor</i>
11:30-12:00	<b>T. Mizokawa</b>	<i>Orbital degeneracy, Jahn-Teller effect, and superconductivity in transition-metal chalcogenides</i>
12:00-12:25	<b>N. Mannella</b>	<i>Local versus Itinerant Magnetism in Fe-Based Superconductors: dichotomy or dualism?</i>
12:25-13:50	<b>T. Yoshida</b>	<i>Three-dimensional Fermi surfaces and nesting properties in iron pnictide superconductor revealed by angle-resolved photoemission spectroscopy</i>
13:50-13:15	<b>A. Ricci</b>	<i>Direct evidence of nanoscale phase separation in <math>\text{K}_{0.8}\text{Fe}_{1.6}\text{Se}_2</math> from scanning nanofocused x-ray diffraction</i>
13:20-14:00	Lunch Break	

14:00-15:00 Poster Session\*

### 14 JULY – Thursday – Aula Magna

14:45-16:45	<b>Session XXI</b>	Chairman: <b>A. Bussmann-Holder, S. Sugai</b>
14:45-15:15	<b>M. Grilli</b>	<i>Dynamical charge and spin fluctuations: is this the glue in cuprates?</i>
15:15-15:45	<b>E. W. Carlson</b>	<i>Spatial Complexity Due to Incipient Electronic Nematicity in Cuprates</i>
15:45-16:15	<b>S. I. Mukhin</b>	<i>Lax-pair and Hamiltonian Equations for Macroscopic Quantum Order of Correlated Electron System: Analytic Solution</i>
16:15-16:45	<b>P. Thalmeier</b>	<i>Quantum effects in uniform and staggered moment of frustrated quasi-2D antiferromagnets</i>
16:45-17:15	Coffee Break	

### 14 JULY – Thursday – Aula Chimica A

14:45-16:45	<b>Session XXII</b>	Chairman: <b>T. Samuely, Xingjiang Zhou</b>
14:45-15:15	<b>J. Karpinski</b>	<i>Doping and substitutions in <math>\text{LnFeAsO}</math> single crystals grown at high pressure: influence on superconducting properties and structure</i>
15:15-15:45	<b>E. Liarokapis</b>	<i>Lattice Anomalies In Iron Pnictides Itinerant</i>
15:45-16:15	<b>T. G. Perring</b>	<i>Spin Excitations in <math>\text{SrFe}_2\text{As}_2</math> Measured by Inelastic Neutron Scattering</i>
16:15-16:45	<b>B. O. Wells</b>	<i>Phase Diagram for Iron-Chalcogenide Superconducting Films</i>
16:45-17:15	Coffee Break	

**14 JULY – Thursday – Aula Chimica B**

14:45-16:45	<i>Session XXIII</i>	Chairman: <b>W. Prellier, A. T. Boothroyd</b>
14:45-15:15	<b>N. Kirova</b> <i>Field-induced deformations in CDW materials revealed by the coherent X-ray micro diffraction.</i>	
15:15-15:45	<b>M. Salluzzo</b> <i>Signature of nanoscale modulation, charge and orbital order at the interface between LaAlO<sub>3</sub> and SrTiO<sub>3</sub> band insulators</i>	
15:45-16:15	<b>F. Baumberger</b> <i>Surface 2DEGs on transition metal oxides and topological insulators</i>	
16:45-17:15	Coffee Break	

**14 JULY – Thursday – Aula Magna**

17:15-19:45	<i>Session XXIV</i>	Chairman: <b>T. Tohyama, F. Marsiglio</b>
17:15-17:45	<b>S. Sugai</b> <i>Phonon-Induced Dynamical Spin Stripes and Plaquettes Observed by Raman Scattering in YBa<sub>2</sub>Cu<sub>3</sub>O<sub>y</sub></i>	
17:45-18:15	<b>M. Hücker</b> <i>Manipulating charge stripe order in La<sub>2-x</sub>BaxCuO<sub>4</sub> in high magnetic fields</i>	
18:15-18:45	<b>M. v. Zimmermann</b> <i>Competition of charge stripe order and superconductivity in La<sub>1.89</sub>Sr<sub>0.11</sub>CuO<sub>4</sub> tuned by a high magnetic field</i>	
18:45-19:15	<b>Guo-qing Zheng</b> <i>Pseudogap ground state and its doping evolution of the high-T<sub>c</sub> cuprates Bi<sub>2</sub>Sr<sub>2-x</sub>La<sub>x</sub>CuO<sub>6+</sub>: NMR study under high magnetic-fields up to 44 T</i>	
19:15-19:30	<b>A. V. Mitin</b> <i>Striped Organization of Hole Excitations and Oxygen Interstitials in Oxygen-Doped Cuprates</i>	

**14 JULY – Thursday – Aula Chimica A**

17:15-19:30	<i>Session XXV</i>	Chairman: <b>E. Liarokapis, J. Mustre de Leon</b>
17:15-17:40	<b>A. Yaresko</b> <i>On the nature of an energy barrier between (<math>\pi,0</math>) and (<math>0,\pi</math>) magnetic orders in Fe pnictides</i>	
17:40-18:05	<b>V. B. Zabolotny</b> <i>Fermiology of LiFeAs and related iron pnictides as seen by ARPES</i>	
18:05-18:30	<b>M. Tortello</b> <i>Point-contact Andreev-reflection spectroscopy in Fe-based superconductors: Multi-gap superconductivity and strong electron-boson interaction</i>	
18:30-18:55	<b>T. Mertelj</b> <i>Time resolved femtosecond optical spectroscopy of electron doped 1111 and 122 iron-pnictide superconductors</i>	
18:55-19:10	<b>L. Stojchevska</b> <i>Study of quasiparticle relaxation dynamics in SrFe<sub>2</sub>As<sub>2</sub> spin-density wave iron-pnictide single crystals</i>	
19:10-19:25	<b>A. Iadecola</b> <i>Local atomic correlations in FeSe<sub>1-x</sub>Te<sub>x</sub> iron-chalcogenides by EXAFS</i>	

**14 JULY – Thursday – Aula Chimica B**

17:15-19:30	<i>Session XVI</i>	Chairman: <b>G. Seibold, B. O. Wells</b>
17:15-17:45	<b>V. Dobrosavljevic</b> <i>Electronic Griffiths Phases and Quantum Criticality at Disordered Mott Transitions</i>	
17:45-18:15	<b>S. Feng</b> <i>Magnetic field induced reduction of the low-temperature superfluid density in cuprate superconductors</i>	
18:15-18:45	<b>S. Agrestini</b> <i>Phase separation and slow long-range magnetic order rearrangement in frustrated Ca<sub>3</sub>Co<sub>2</sub>O<sub>6</sub></i>	
18:45-19:15	<b>F. Giustino</b> <i>Electron-phonon interaction and superconductivity in carbon materials</i>	

## 15 JULY FRIDAY - SESSIONS XXVII/XXXI

### 15 JULY - Friday – Aula Magna

8:30-10:30	<b>Session XXVII</b>	Chairman: <b>J. Zaanen, G. Aeppli</b>
8:30-9:00	<b>A. S. Alexandrov</b> <i>Strong-coupling theory of high-temperature superconductivity</i>	
9:00-9:30	<b>E. V. L. de Mello</b> <i>The Disordered Induced Interaction of Cuprates</i>	
9:30-10:00	<b>J. Ashkenazi</b> <i>The “ABC” Theory for Layered High-TC Superconductors, SC Fluctuations, and Fractal Structure</i>	
10:00-10:30	<b>S. Wilson</b> <i>Structural and magnetic phase transitions in iron pnictides</i>	
10:30-11:00	Coffee Break	

### 15 JULY – Friday – Aula Magna

8:30-10:30	<b>Session XXVIII</b>	Chairman: <b>T. Mizokawa, H. Aoki</b>
11:00-11:30	<b>T. Tohyama</b> <i>Theory of Inelastic X-Ray Resonance Scattering in Iron Arsenides</i>	
11:30-12:00	<b>C. Panagopoulos</b> <i>Spin and charge dynamics in the parent <math>\text{CaFe}_2\text{As}_2</math></i>	
12:00-12:30	<b>Nan Lin Wang</b> <i>Optical spectroscopy study on Fe-pnictides/chalcogenides</i>	
12:30-13:00	<b>N. D. Zhigadlo</b> <i>Recent progress in crystal growth of oxypnictide superconductors</i>	
13:00-13:15	<b>B. Joseph</b> <i>Local atomic correlations in <math>\text{RFeAsO}</math> (<math>\text{R}=\text{La, Pr, Nd, Sm}</math>) oxypnictides by EXAFS</i>	
13:20-14:00	Lunch Break	

### 14:00-15:00 Poster Session\*

### 15 JULY – Friday – Aula Chimica A

8:30-10:30	<b>Session XXIX</b>	Chairman: <b>E. V. L. de Mello, E. W. Carlson</b>
11:00-11:30	<b>D. Manske</b> <i>Consequences of broken time-reversal symmetry in triplet Josephson junctions</i>	
11:30-12:00	<b>R. Citro</b> <i>Phonon anomaly and spectral kinks in cuprates: Interplay between charge-lattice interaction and strong electron correlations</i>	
12:00-12:30	<b>Y. Takada</b> <i>Superconductivity in a Correlated Jahn-Teller System</i>	
12:30-13:00	<b>L. Vidmar</b> <i>Bipolaron in the <math>t</math>-J Model Coupled to Longitudinal and Transverse Quantum Lattice Vibrations</i>	
13:00-13:15	<b>G. De Filippis</b> <i>Relevance of Charge-Lattice Interaction in Cuprates</i>	
13:20-14:00	Lunch Break	

### 15 JULY – Friday – Aula Chimica B

8:30-10:30	<b>Session XXX</b>	Chairman: <b>S. D. Conradson, M. Hücker</b>
11:00-11:30	<b>Yeong-Ah Soh</b> <i>Similarity in the magnetotransport of chromium and the normal state of high <math>T_c</math> and heavy fermion superconductors</i>	
11:30-12:00	<b>A. T. Boothroyd</b> <i>Hour-glass magnetic spectrum in stripe-ordered <math>\text{La}_{2-x}\text{Sr}_x\text{CoO}_4</math></i>	
12:00-12:30	<b>D. Di Castro</b> <i>High <math>T_c</math> superconductivity in superlattices of insulating oxides</i>	
12:30-13:00	<b>J. N. Gonçalves</b> <i>Ferroelectricity and Electric Field Gradients: an ab-initio study</i>	
13:00-13:15	<b>Y. Wakisaka</b> <i>Temperature-dependent angle-resolved photoemission spectroscopy of <math>\text{Ta}_2\text{NiSe}_5</math></i>	
13:20-14:00	Lunch Break	

14:45-15:15      **D. M. Eagles**

*Three small systems showing probable room-temperature superconductivity*

15:15-15:45      **F. Marsiglio**

*Suspensions about the conventional (Eliashberg) electron-phonon mechanism of superconductivity*

15:45-16:15      **B. Deveaud-Plédran**

*Vortices in exciton-polariton condensates*

*CLOSING*

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**\*Poster Session**

**P. Babkevich**

Magnetic spin resonance in  $\text{FeSe}_x\text{Te}_{1-x}$  probed by inelastic neutron scattering

**T. Charikova**

Doping and Disorder Dependencies of The Anomalous Hall Effect Behavior  
In Electron-Doped Cuprates

**L. Fanfarillo**

Current Landau interaction contribution to superconducting-fluctuation:  
diamagnetism and conductivity

**O. M. Ivanenko**

The possible mechanism of Fermi arcs and pseudogap formation in cuprates HTSC

**Ying Liang**

Magnetic response and superconductivity in electron-doped cobaltates

**T. Machida**

One-dimensional electronic order in  $\text{Fe}_{1.07}\text{Te}$  probed by scanning tunneling spectroscopy

**K. V. Mitsen**

Model for the electron structure of HTSC

**H. Nakamura**

Impurity resonance states in  $\text{Bi}_2\text{Sr}_{1.6}\text{La}_{0.4}\text{CuO}_{6+\delta}$

**K. Veende**

Interband Superconductivity in spin-polarized subbands