

Time	Erzherzog Johann Auditorium				
09:00	Opening				
09:15					
09:30	9:30-10:15 - <b>Petra Rudolf</b>				
09:45	The EPS Young Minds programme and how avoid dropout in the postdoc and junior professor				
10:00	Coffee & Tea				
10:15					
10:30	10:30-11:15 - <b>Peter Balazs</b>				
10:45	Mathematics, Physics and Acoustics				
11:00					
11:15	11:15-12:00 - <b>Marin Alexe</b>				
11:30	Induced Functionalities by Symmetry Breaking				
11:45					
12:00-14:00	Lunch				
Time	Erzherzog Johann Auditorium	HS Raiffeisen	HS Physikalische Chemie	HS Kuppelwieser	HS Miller von Hauenfels
14:00	<p><i>Chair: Gareth Parkinson</i> 14:00-14:30 - <b>Michael Schmid</b> Analyzing Temperature Programmed Desorption via Equilibrium Thermodynamics</p> <p>14:30-14:45 - <b>Donato Civita</b> Precise control of single-molecule motion on Ag(111)</p> <p>14:45-15:00 - <b>Grant J. Simpson</b> Controlling the translation of a single molecule</p> <p>15:00-15:15 - <b>Alexander Michael Imre</b> The Vienna Package for TensELED</p> <p>15:15-15:30 - <b>Francesco Presel</b> Co-existing charged and uncharged Cu Phthalocyanine on Ag surfaces: an STM and orbital tomography study</p>	<p><i>Chair: TBA</i> 14:00-14:15 - <b>Stefania Isceri</b> Strange metal YbRh<sub>2</sub>Si<sub>2</sub> thin film growth</p> <p>14:15-14:30 - <b>Boyuan Ban (online)</b> Two applications of Si materials prepared by Al-Si alloy equilibrium/nonequilibrium solidification</p> <p>14:30-14:45 - <b>Jiehua Li</b> Elucidating solute clustering and precipitation of Al-Cu-Mg-Ag alloys for elevated temperatures</p> <p>14:45-15:00 - <b>Eray Yüce</b> Synthesis and characterization of fully biocompatible novel Ti-based metallic glass ribbons</p> <p>15:00-15:15 - <b>Sourav Islam</b> STED-Inspired Sub Diffractional Cationic Lithography</p> <p>15:15-15:30 - <b>U. Brossmann</b> Dilatometric study of the precipitation processes in high-purity Al-Cu and Al-Cu-Au alloys</p>	<p><i>Chair: Holger Waubke</i> 14:00-14:30 - <b>Nicolette Doblhoff-Dier</b> Kann Schönheit berechnet werden? Vom Zauber der Musik im Mathematikunterricht</p> <p>14:30-14:45 - <b>Brigitte Blank-Landeshammer</b> Augmented Reality for HVAC Sound Sources</p> <p>14:45-15:00 - <b>Dieter Hohenwarter</b> Modell für die Schallaubereitung unter Berücksichtigung der meteorologischen Bedingungen</p> <p>15:00-15:15 - <b>Christoph Reichl</b> Final results of IEA HPT Annex 51 "Acoustic Signatures of Heat Pumps"</p>	<p><i>Chair: R.Hauser/ J. Emhofer</i> 14:00-14:15 - <b>Stephen T. Kelly</b> Optimizing High-Resolution 3D Microscopy Data Collection to Feed Complementary Simulation Approaches for Energy Materials Research</p> <p>14:15-14:30 - <b>Tamara Doroshenko</b> Thermally-fueled locomotion of a polymer actuator -&gt; cancelled! <b>Poster -&gt; P62</b></p> <p>14:30-14:45 - <b>Felix Hochwallner</b> Reduced modeling of liquid desiccant falling film absorbers</p> <p>14:45-15:00 - <b>Thomas Leiner</b> Molecular Dynamics assessment of hydrogen adsorption potential of carbon structures</p> <p>15:00-15:15 - <b>Sonja Beier</b> Experimental studies and characterisation of phase transition and heat transfer of a latent heat storage linked to lab-scale heat pump</p> <p>15:15-15:30 - Division Meeting</p>	<p><i>Chair: Benjamin Klebel-Knobloch</i> 14:00-14:40 - <b>Florian Kraushofer (Vortrag Dissertationspreisträger)</b> Model Systems for Single Atom Catalysis</p> <p>14:40-15:30 - <b>Podiumsdiskussion zur Nachwuchsförderung in der Physik, mit Petra Rudolf, Maurizio Musso, Christian Teichert, Hermann Detz und den Young Minds</b></p>
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14:40	Coffee & Tea				
14:45	<p><i>Chair: Martin Sterrer</i> 16:00-16:15 - <b>Gareth S. Parkinson</b> Comparison of Pt, Rh and Ir Single Atoms on a Fe<sub>2</sub>O<sub>3</sub> Model Support</p> <p>16:15-16:30 - <b>Max Niederreiter</b> On the structure of TCNE on Cu(111)</p> <p>16:30-16:45 - <b>Matthias Blatnik</b> 4,4'-Biphenyl-Dicarboxylic Acid Self-Assembly on Silver Substrates: From the role of substrate orientation to charge injection layers</p> <p>16:45-17:00 - <b>Michael Ramsey</b> Extreme Distortion of Fused Aromatics on Dielectric Interlayers Quantified by Photoemission Orbital Tomography</p> <p>17:00-17:15 - <b>Philipp Maier</b> A single-molecular perspective to water dynamics on 2D surfaces</p> <p>17:15-17:30 - <b>Giada Franceschi</b> Resolving intrinsic K<sup>+</sup> adatoms on muscovite mica and their interaction with water</p>	<p><i>Chair: TBA</i> 16:00-16:30 - <b>Joachim R. Krenn</b> Multiphoton and tunnel emission of photoelectrons in plasmonic near-fields</p> <p>16:30-16:45 - <b>Gregor Hawacek</b> Influence of crystal structure on helium-induced tendril formation in an FeCoCrNiV high-entropy alloy</p> <p>16:45-17:00 - <b>Robert Schwarzl</b> Transient absorption microscopy setup with multi-ten-kilohertz shot-to-shot subtraction and discrete Fourier analysis</p> <p>17:00-17:15 - <b>Masoud Hamidi</b> Mie Theory and Babinet's Principle</p> <p>17:15-17:30 - <b>Egbert Zojer</b> Understanding Heat-Transport Bottlenecks in Metal-Organic Frameworks</p>	<p><i>Chair: Peter Balazs or Christoph Reichl</i> 16:00-16:15 - <b>Holger Waubke</b> Acoustic Holography for moving sources</p> <p>16:15-16:30 - <b>Christian Kasess</b> Annoyance rating and psychoacoustical analysis of heat pump sound</p> <p>16:30-16:45 - <b>Pascal Nicolay</b> Motion amplification techniques, applied to the analysis of low frequency vibration modes of lightweight structures</p> <p>16:45-17:15 - Sitzung des Fachausschuss AKU</p>	<p><i>Chair: Franz Sachslehner</i> 16:00-16:30 - <b>Wolfgang L. Reiter</b> Wie Stefan Meyer die NS-Diktatur überlebte</p> <p>16:30-16:50 - <b>Bruno P. Besser</b> Physicist and rocket scientists in the tension between innocence and guilt</p> <p><i>Chair: Heinz Krenn</i> 16:50-17:10 - <b>Werner Schmidt</b> Gottfried Spiegler (1891-1970) - österreichischer Medizinalphysiker</p> <p>17:10-17:30 - <b>Franz Sachslehner</b> Franziska Seidl and her favorite ultrasonic experiments</p>	<p>16:00-16:10 - <b>Vorstellung der Young Minds</b></p> <p><i>Chair: Benjamin Klebel-Knobloch</i> 16:10-16:35 - <b>Brandmüller Dorian (Vortrag Studierendenpreisträger)</b> Acoustical resolution photoacoustic microscopy (AR-PAM): Simulations and experiments</p> <p>16:35-17:00 - <b>Lindenbauer Florian (Vortrag Studierendenpreisträger)</b> Jet momentum broadening in a gluonic plasma from effective kinetic theory</p> <p>17:00-17:30 - <b>Q &amp; A zum Physikstudium für Schüler:innen</b></p>
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16:40	17:30-19:00 - <b>Poster Session</b>				
16:45	Starting at 19:00: Book Sales related to the Movie by MORAWA				
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Time	Erzherzog Johann Auditorium				
19:30-21:00	19:30-21:00 - <b>Public Evening Movie</b> The Class of '38 – Exile and Excellence				