

09:00 - 09:30	OPENING	HS P1
09:30 - 10:15	Plenary Talk / CHAIR: Reinhold KOCH Gottfried STRASSER "Applied Quantum Mechanics: Sensing with Monolithically Integrated Quantum Cascade Devices"	HS P1
10:15 - 10:30	COFFEE	
10:30 - 11:15	Plenary Talk / CHAIR: Wolfgang ERNST Markus ARNDT "Probing Quantum Linearity with Biomolecules and High Mass Nanoparticles"	HS P1
11:15 - 12:00	Plenary Talk / CHAIR: Peter SCHUSTER Peter HEERING "Analysing historical experiments with the replication method"	HS P1
12:00 - 14:00	LUNCH BREAK	
SESSION: COND I CHAIR: Markus AICHHORN		
14:00 - 14:15	COND T1 Nikola Opacak "QWIPs and QCDs for RF"	HS P2
14:15 - 14:30	COND T2 Aaron Maxwell Andrews "Quantum Cascade Laser and Detector Material Systems"	HS P2
14:30 - 14:45	COND T3 Borislav Hinkov "Surface emitting ring interband cascade lasers"	HS P2
14:45 - 15:00	COND T4 Thomas Hahn "Diagrammatic Monte Carlo study of Fröhlich polaron dispersion in two and three dimensions"	HS P2
15:00 - 15:15	COND T5 Gilles Bourret "Three Dimensional Nanostructuring of Silicon"	HS P2
15:15 - 15:30	COND T6 Maximilian Beiser "Mode-locked interband cascade lasers"	HS P2
SESSION: GEP I CHAIR: Heinz KRENN		
14:00 - 14:40	GEP T1 Walter Kutschera "The life and science of Marie Curie and Lise Meitner - two icons of radioactivity"	SR TDK
14:40 - 15:00	GEP T2 Franz Sachslehner "Double refraction on artful historical crystal slides and glasses with inner stresses"	SR TDK
15:00 - 15:20	GEP T3 Armin Denoth "From the Armarium to the Institute of Experimental Physics. The 275-year anniversary: 1743-2018"	SR TDK

SESSION: OGD I CHAIR: Egbert ZOJER		
14:00 - 14:30	OGD T1 Christian Papp "Surface Chemistry of 2D Materials"	HS BMT
14:30 - 14:45	OGD T2 Margareta Wagner "In ₂ O ₃ (111)-Surface Structure and Adsorption"	HS BMT
14:45 - 15:00	OGD T3 Adrian Ruckhofer "Surface phonon dispersion of Bi ₂ Se ₃ (111): Surface Acoustic Waves and Charge Density Wave"	HS BMT
15:00 - 15:15	OGD T4 Julian Pilz "Influence of Substrate Temperature on Structural, Optical, and Electrical Properties of ZnO Deposited by Plasma-Enhanced Atomic Layer Deposition"	HS BMT
15:15 - 15:30	OGD T5 Alberto Perrotta "Initial ZnO Crystallite Formation by Plasma Enhanced Atomic Layer Deposition"	HS BMT
15:30 - 16:00	COFFEE	
SESSION: COND II CHAIR: Markus KRATZER		
16:00 - 16:15	COND T7 Eva-Maria Steyskal "In-Situ Studies on the Formation and Tunable Properties of Nanoporous Metals Produced by Electrochemical Dealloying"	HS P2
16:15 - 16:30	COND T8 Christian Rentenberger "Characterisation of CuZr-based bulk metallic glasses after structural rejuvenation by severe plastic deformation"	HS P2
16:30 - 16:45	COND T9 Elisabeth Hengge "Quantitative analysis of the precipitation kinetics in dilute alloys by isothermal in-situ high-precision dilatometry"	HS P2
16:45 - 17:00	COND T10 Markus Göbller "Electrochemical Tuning of Magnetism in Nanoporous Systems-Oxydation, Hydrogenation and Surface Charging"	HS P2
17:00 - 17:15	COND T11 Caterina Czubala "Viscoelastic properties of pulp fibers investigated by atomic force microscopy"	HS P2
17:15 - 17:30	COND T12 Natalia Bedoya-Martinez "Towards a reliable description of lattice vibrations in organic molecular crystals: Effect of van der Waals interactions"	HS P2

SESSION: AKU I CHAIR: Christoph REICHL		
16:00 - 16:20	AKU T1 Christoph Reichl "MicLocator - Determining multiple microphones' positions using sound wave delay and trilateration"	HS P3
16:20 - 16:40	AKU T2 Simon Hinterseer "Determining the Influence of the Operating Point on Noise Emissions of Air Source Heat Pumps"	HS P3
16:40 - 17:00	AKU T3 Christian Kaseß "Gaussian Closure für hysteretische Systeme unter weißem Rauschen!"	HS P3
SESSION: GEP II CHAIR: Walter KUTSCHERA		
16:00 - 16:40	GEP T4 Heinz Krenn "Maxwell's Demon: A Historical Puzzle with Impact on Modern Physics"	SR TDK
16:40 - 17:00	GEP T5 Bruno Besser "Early Styrian Meteorological Records Revisited"	SR TDK
17:00 - 17:20	GEP T6 Karl Mocnik "Experimental Proof of Aetherdrift Disproves Hypothesis of Length-Contraction"	SR TDK
SESSION: OGD II CHAIR: Michael RAMSEY		
16:00 - 16:15	OGD T6 Zhiyu Zou "Transition Metal Clusters on Zirconia (ZrO ₂) Thin Films: Growth and Metal-Oxide Interactions"	HS BMT
16:15 - 16:30	OGD T7 Jasmin Abdou "Wet chemical preparation of CeO ₂ (111) supported Au catalyst"	HS BMT
16:30 - 16:45	OGD T8 Martin Schnedlitz "To be or not to be alloyed: The unexpected behaviour of Ni-Au and Co-Au core-shell nanoparticles upon heating"	HS BMT
16:45 - 17:00	OGD T9 Maximilian Lasserus "Thermally induced alloying process in core@shell AgAu particles: A new method to measure diffusion on the nanoscale"	HS BMT
17:00 - 17:15	OGD T10 Florian Lackner "Helium Nanodroplet Based Synthesis of Tailored Nanoparticles for Surface Enhanced Raman Spectroscopy"	HS BMT
17:15 - 17:30	OGD T11 Alexander Schiffmann "Plasmon spectroscopy of metallic nanoparticles on ultra-thin h-BN films"	HS BMT

17:30 - 18:30	POSTER SESSION	Basement
19:00 -	Reception by Mayor	City Council Building Main Square