

Tuesday, June 21, 2022		
08:50-09:00		Welcome and opening
09:00-12:30	Chair: Peter Riseborough	
09:00-09:40	Christoph Geibel	The Fermi surface of valence fluctuating Eu-systems: a challenge to Luttinger's theorem
09:40-10:20	Eteri Svanidze	The effect of intrinsic crystal structure on superconductivity of actinide-based materials
10:20-10:30		Summary
10:30-11:00		Coffee break
11:00-11:40	Ladislav Havela	Uranium hydrides in the light of photoelectron spectroscopy
11:40-12:20	Sébastien Burdin	Tuning the dual nature of f-electron materials
12:20-12:30		Summary
12:30	Group foto	
12:30-14:00		Lunch
14:00-17:30	Chair: Christoph Geibel	Online
14:00-14:40	Jan Kunes	Valence skipping, internal doping, and site-selective Mott transition in PbCoO ₃ under pressure
14:40-15:20	Tuson Park	Pseudogap and Kondo hybridization in the heavy fermion superconductor CeCoIn ₅
15:20-15:30		Summary
15:30-16:00		Coffee break
16:00-16:40	Alexander Shick	Electronic structure of UTe ₂ unconventional superconductor
16:40-17:20	Georg Knebel	Thermodynamic evidence of high field superconductivity and transport anisotropies in UTe ₂
17:20-17:30		Summary

Wednesday, June 22, 2022		
09:00-12:30	Chair: Gertrud Zwicknagl	
09:00-09:40	Elena Hassinger	Two-phase superconductivity in CeRh ₂ As ₂ - angle dependence
09:40-10:20	Marie-Aude Méasson	Collective modes and CEF of f-electrons systems studied by Raman spectroscopy
10:20-10:30		Summary
10:30-11:00		Coffee break
11:00-11:40	Denis Vyalikh	Unveiling novel temperature scales at the surfaces of 4f-materials by ARPES: Focus on CeRh ₂ Si ₂ , EuIr ₂ Si ₂ , CeIrIn ₅ and CeCo ₂ P ₂
11:40-12:20	Johann Kroha	THz time-delay spectroscopy and critical slowing down of fermions in heavy-fermion materials
12:20-12:30		Summary
12:30-14:00		Lunch
14:00-17:00	Chair: Sébastien Burdin	
14:00-14:20	Nicklas	Pressure tuning of ferromagnetism in UBeGe
14:20-14:40	Opletal	Physical properties of semimetallic magnets UOX (X = S, Se, Te)
14:40-15:00	Ale Crivillero	Surface Properties of Rare-Earth Hexaborides Investigated by STM
15:00-15:20	Kolorenc	Deducing 5f (de)localization from valence histograms
15:20-15:30		Summary
15:30-16:00		Coffee break
16:00-16:20	Lenk	A DFT + DMFT study of the two-channel quadrupolar Kondo effect in PrV ₂ Al ₂₀
16:20-16:40	Yamamoto	Microscopic nature of 130-K phase transition and a coherent Kondo state in Ce ₂ Rh ₂ Ga explored by nuclear quadrupole resonance"
16:40-17:00	Khanenko	"The quadrupole density wave and its interplay with superconductivity in CeRh ₂ As ₂ : a thermodynamic study
19:00	Conference dinner	

Thursday, June 23, 2022		
09:00-12:30	Chair: Andrea Severing	
09:00-09:40	Shin-ichi Fujimori	Electronic structure of UTe_2 : Perspectives from photoelectron spectroscopy
09:40-10:20	Jonathan Denlinger	N-point Model for the Hidden Order in URu_2Si_2
10:20-10:30		Summary
10:30-11:00		Coffee break
11:00-11:40	Andrea Marino	Crystal-field ground state wave function of UGa_2 probed with O _{4,5} edge non-resonant and M ₅ edge resonant inelastic x-ray scattering
11:40-12:20	Atsushi Hariki	$CaCu_3Ru_4O_{12}$: a high Kondo-temperature transition-metal oxide
12:20-12:30		Summary
12:30-14:00		Lunch
14:00-17:30	Chair: Georg Knebel	
14:00-14:40	Dai Aoki	Electronic structure of UTe_2 unconventional superconductor
14:40-15:20	Sergio Magalhaes	Itinerant-Localized Duality in a Model for 5f-Electrons with Finite Interaction: Mean-Field Approximation and Beyond
15:20-15:30		Summary
15:30-16:00		Coffee break
16:00-16:40	Krzysztof Gofryk	Piezomagnetism in uranium dioxide
16:40-17:20	James Tobin	The Unoccupied Electronic Structure of Actinide Dioxides
17:20-17:30		Summary

Friday, June 24, 2022		
09:00-12:30	Chair: Hao Tjeng	
09:00-09:40	Andreas Leithe-Jasper	Synthesis and emerging complexity in Be-based intermetallics
09:40-10:20	Yoshinori Haga	Impact of defects on the physical properties of heavy fermion superconductor UTe ₂
10:20-10:30		Summary
10:30-11:00		Coffee break
11:00-11:40	Peter Riseborough	Field-induced Doublet transitions in Kondo Insulators at High Magnetic Fields
11:40-12:20	Gertrud Zwicknagl	Heavy quasiparticles in CeRh ₂ As ₂ : Renormalized bands, Fermi surfaces, and electronic instabilities
12:20-12:30		Closing