

Summer School Program, June 24 - June 28, 2024

	Monday 24.6.2024	Tuesday 25.6.2024	Wednesday 26.6.2024	Thursday 27.6.2024	Friday 28.6.2024
9:00					Optional visits, CAN SUPERCONDUCTORS, UCT Prague, Duration CAN - approx. 2 hours, UCT approx. 1 hour
9:30	Susannah Speller - Introduction to superconducting materials, 9 - 10	Bruno Douine - Characterization of HTS material for electrical engineering applications, 9-10	Mark Ainslie - Rotating Machines, 9 - 10	Remi Dorget - Superconducting electrical machines for aircraft propulsion, 9 - 10	
10:00	Achim Hobl - Design and manufacture of superconducting magnets for accelerators and light sources, 10 - 11	Muralidhar Miryala, Superconducting Solutions for a Greener Tomorrow: Advancing Energy Security and Environmental Quality with High Tc Technology, 10 -11	Pavel Diko, Microstructure of REBCO bulk single-grain superconductors, 10 -11	Emelie Nilsson - Superconductivity and Cryogenics for electric aircraft propulsion, 10 - 11	
10:30	Coffe Break 11 - 11:30				
11:00	Coffe Break 11 - 11:30				
11:30	Philippe Vanderbemden - Electrical and magnetic measurements for characterizing superconductors 11:30-12:30	Bernhard Holzapfel, Coated Conductors, 11:30 - 12:30	Klaus Schlenga, Fabrication and Applications of NbTi and Nb3Sn Wires, 11:30 - 12:30	Devendra Kumar Namburi, Superconducting Nanowire Single Photon Detectors for Dark matter detection, 11:30 - 12:30	
12:00	Lunch 12:30 - 13:30				
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13:30	Tabea Arndt - basic design of a cryogen-free HTS magnets, 13:30 - 15	Cornelia Hintze, Towards QI Stellarators with high-Tc Superconducting Technology, 13:30 - 14:30	Industrial section - CONECTUS Members presentation of applied superconductivity use cases, 13:30 - 15:30	Marco Breschi - Superconducting Magnets - main applications and technological issues, 13:30 - 14:30	
14:00	Coffe Break 15 - 15:30				
14:30	Ignacio Valiente Blanco, Superconducting magnetic bearings, 14:30 - 15:30				
15:00					
15:30					
16:00	Marco Calvi - GdBCO Undulator, 15:30-16:30				
16:30					
	Welcome reception with light refreshment, 17 - 18				
19:00	Summer School Dinner 19:00 - 21:00				