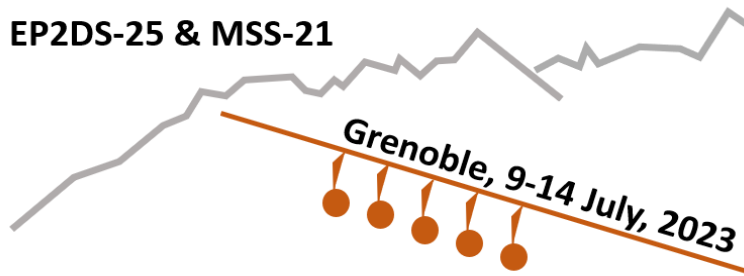


EP2DS-25 & MSS-21



Grenoble, 9-14 July, 2023

Friday
14/07/2023

		Parallel session 12A: 2D materials - transport V		Parallel session 12B: Hybrid systems and THz	
09:00	Location: Auditorium Chair: Cory Dean	Abstract	Qianhui Shi Invited <i>UC Los Angeles, USA</i> Quantum phenomena in the Landau levels of atomically-thin transition metal dicalcogenides	Abstract	Shohei Kobayashi Contributed <i>RIKEN & Tokyo University of Science, Japan</i> Superconducting diode effect exhibited by coupled Josephson junctions under in-plane magnetic field
09:30			Oleg Makarovskiy Contributed <i>University of Nottingham, Nottingham, United Kingdom</i> High Temperature Giant Quantum Hall Effect In Metal Chalcogenide/Graphene Heterostructures		Takafumi Akiho Contributed <i>NTT Basic Research Laboratories, NTT Corporation, Atsugi, Japan</i> Superconductor/semiconductor junction using a cleaved edge surface of an InAs/AlGaSb quantum-well wafer
09:45			Robin Dolleman Contributed <i>RWTH Aachen University, Aachen, Germany</i> Wigner crystals in magic-angle twisted bilayer graphene		Elyjah Kiyooka Contributed <i>Univ. Grenoble Alpes, CEA-IRIG, Grenoble, France</i> A Ge/SiGe semiconductor – superconductor platform
10:00			Massimo Rontani Contributed <i>CNR-NANO, Modena, Italy</i> Pressurized MoS ₂ and monolayer WTe ₂ as ideal excitonic insulators		Wladislaw Michailow Contributed <i>Cavendish Laboratory, University of Cambridge, UK</i> The in-plane photoelectric effect – a new opportunity for efficient terahertz detection
10:15			Kei Kinoshita Contributed <i>University of Tokyo, Tokyo, Japan</i> Twist-controlled resonant tunneling to probe quantum well states of few-layer WSe ₂		Jan Kunc Contributed <i>Charles University, Prague, The Czech Republic</i> Plasmon-plasmon interaction and the role of buffer layer in epitaxial graphene micro-ribbons
10:30			Coffee break		
Plenary session 3 - Auditorium					
11:00	Location: Auditorium Chair: Christian Giattili	Abstract	Moty Heiblum Identification and Determination of the Topological Order of a Non-Abelian State: The 5/2 FQHE State <i>Weizmann Institute of Science, Rehovot, Israel</i>		Abstract
11:45			Cory Dean Exciton condensates in graphene double layers <i>Columbia University, New York, USA</i>		
12:30			Milan Orlita Conference closing <i>Université Grenoble Alpes, LNCMI, CNRS, Grenoble, France</i>		
	Departure				