



## Day7 - Aug. 24 (Wed)

Hall 1	
	2020 IUPAP Young Scientist Prize in Low Temperature Physics and 2022 Early Career Scientist Prize in Low Temperature Physics chairs: R. Haley, M. Tsubota
9:00	Award Ceremony presenter: N. Nagaosa
Prize	9:10 <b>24A-PR-01 (9:10-9:40) 2020 IUPAP Young Scientist Prize</b> Pushing the boundaries of quantum vacuum in superfluid $^3\text{He}$ <u>Samuli Autti</u>
	<b>24A-PR-02 (9:40-10:10) 2020 IUPAP Young Scientist Prize</b> Charge Confinement and Manipulation in van der Waals Nanostructures <u>Ke Wang</u>
	<b>24A-PR-03 (10:10-10:40) 2022 IUPAP Early Career Scientist Prize</b> Quantum materials under the nonlinear electromagnetic spotlight <u>Qiong Ma</u>
10:40	10:40 - 11:10 Coffee Break
Prize	11:10 <b>24A-PR-04 (11:10-11:40) 2022 IUPAP Early Career Scientist Prize</b> Visualization of Electron-Pair Fluids and Crystals at the Atomic Scale <u>Xiaolong Liu</u>
	<b>24A-PR-05 (11:40-12:10) 2022 IUPAP Early Career Scientist Prize</b> Correlated and topological states in moiré graphene multilayers <u>Matthew Yankowitz</u>
	<b>24A-PR-06 (12:10-12:40) 2022 IUPAP Early Career Scientist Prize</b> Iron pnictides feeling the strain <u>Matthias Sanyuki Ikeda</u>
12:40	12:40 - 14:00 Lunch Break
Plenary	14:00 <b>Plenary</b> <span style="float: right;">Sponsored by JST-CREST</span> <span style="float: right;">chairs: J. Saunders, M. Takigawa</span>
	<b>24P-P1-01 (14:00-14:45)</b> <span style="float: right;">Supported by JST-CREST</span> Error correction of a logical quantum bit beyond the break-even point <u>Michel H. Devoret</u>
	<b>24P-P1-02 (14:45-15:30)</b> Topological properties of Kitaev quantum spin liquid candidate $\alpha\text{-RuCl}_3$ <u>Yuji Matsuda</u>
15:30	15:30 - 16:00 Coffee Break
Plenary	16:00 <b>Plenary</b> <span style="float: right;">chairs: S. Paschen, K. Kobayashi</span>
	<b>24P-P2-01 (16:00-16:45)</b> "Super" neuromorphic computing with low temperature devices <u>Sae Woo Nam</u>
	<b>24P-P2-02 (16:45-17:30)</b> Quantum magnonics: manipulating and detecting single quanta of collective spin excitations in a ferromagnetic crystal <u>Yasunobu Nakamura</u>
17:30	
18:00	Closing(30)