

WG6: Creating innovative non-traditional sciences and technologies based on quantum and related phenomena

[Dec.18] 12:00-14:30

Chair: ARAKAWA Yasuhiko, Specially Appointed Professor, Institute for Nano Quantum Information Electronics, The University of Tokyo

Sub-chair: KITAGAWA Masahiro, Professor, Graduate School of Engineering Science, Osaka University

12:00-12:30 (Recorded Video)

Opening, Outline of the Moonshot R&D Program, Summary of the Plenary Sessions

12:30-13:25

12:30-12:40 Introduction of the WG6 members and sharing discussion points about the moonshot goal candidate	ARAKAWA Yasuhiko, The University of Tokyo
12:40-12:55 Topic 1 Research Trend in Hardware	NAKAMURA Yasunobu, Professor, Research Center for Advanced Science and Technology, The University of Tokyo
12:55-13:10 Topic 2 Research Trend in Quantum Software	FUJII Keisuke, Professor, Graduate School of Engineering Science, Osaka University
13:10-13:25 Topic 3 Research Trend in Quantum Network	KOSAKA Hideo, Professor, Faculty of Engineering, Yokohama National University

13:25-14:30

Panel Discussion	13:25-13:30 Quantum Science and Technology Policy in US	Jacob M. Taylor, Assistant Director for Quantum Information Science, White House Office of Science and Technology Policy, USA
	13:30-13:35 Quantum Science and Technology Policy and Research Trend in EU	Tommaso Calarco, Director, Institute of Quantum Control, Peter Grünberg Institute, Forschungszentrum Jülich
	13:35-13:40 Quantum Research Trend in US	Alexander D. Cronin, Senior Quantum Coordinator, White House Office of Science and Technology Policy, USA
	13:40-14:20 Discussion (*Moderator)	*KITAGAWA Masahiro, Osaka University
		ARAKAWA Yasuhiko, The University of Tokyo
		ISHIUCHI Hidemi, Assistant to General Manager, KIOXIA Corporation
IMOTO Nobuyuki, Specially Appointed Professor, Institute for Open and Transdisciplinary Research Initiatives, Osaka University		
NISHINO Tetsuro, Professor, Graduate School of Informatics and Engineering, The University of Electro-Communications		

14:20-14:30

Summary of the WG session

Wrap Up

ARAKAWA Yasuhiko, The University of Tokyo