

International Networking on Topological Quantum Matter

What is Topo-Q?

“Topo-Q” is a global network that aims to promote the research progress on topological quantum matter by strengthening international collaborations with other international projects and institutions. In order to build and develop the Topo-Q network, we implement various programs including exchange of researchers and hiring postdocs. We also dispatch TMS core members to various management meetings. Furthermore, we will invite counterpart researchers to Japan for building the network.

Projects and Institutions participating in the Topo-Q network

The Topo-Q networking is jointly conducted by research projects including “Topological Materials Science (TMS, Japan)”, “CIFAR Quantum Materials (Canada)”, “Emergent Phenomena in Quantum Systems (EPiQS, Moore Foundation, USA)”, as well as by institutions such as Max Planck Institutes, Stuttgart and Dresden (Germany), Institute-Spin Salerno (Italy), Shanghai Center for Complex Physics (SCCP, China). Equal partnership is assumed concerning the overall financial support of the programs, but under flexible rules.

Programs offered by the TMS project

Below, we outline the programs offered by the TMS project. Other projects and institutions in the Topo-Q network are expected to conduct similar but not necessarily the same programs.

(1) J-REP (Junior Researcher Exchange Program)

In order to promote or accelerate international collaborative research activities between research groups, we support invitation and dispatch of junior researchers (PDs and graduate students) for a few weeks to a few months. Both the junior researcher and the host researcher are expected to belong to one of the organizations of the Topo-Q network, but exceptions are allowed as long as it is beneficial to the Topo-Q activities.

(2) REP (Researcher Exchange program)

In order to strengthen the Topo-Q research network, we support international invitation and dispatch of researchers ranging from Nobel laureates to junior staff members. The TMS project plans to dispatch assistant and associate professors for up to three months overseas and to invite globally renowned researchers to stay at host research groups for up to a few months.

(3) PD

We employ PD researchers who work at multiple international bases. We plan to employ at least one PD at a time. The term of employment is for up to 24 months, but negotiable.

How to apply

from Japan =Dispatch from Japan / to Japan =Invitation to Japan

		Programs	
		JREP	REP
Eligibility	from Japan	JREP/REP Researcher	Assistant professors, lecturers, PDs and graduate students from the lab of applicant's affiliation. Applicants who fulfill this requirement are also eligible.
	to Japan	JREP/REP Researcher	Lecturers, associate professors, professors or researchers at equivalent from the lab of applicant's affiliation. Applicants who fulfill this requirement are also eligible.
Duration	from Japan	From two weeks up to three months.	
	to Japan	Up to three months.	
Range of support	from Japan	Travel fees, lodging and per diem supported by Topo-Q will be provided according to the regulations of the Kyoto University or the universities in charge of accounting of this program. http://topo-mat-sci.jp/en/	
	to Japan		

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