



Tsinghua-Tohoku Project Report Meeting 2022 on Collaborative Research Fund Projects 2019, 2020 and 2021

Jointly Organized by Tsinghua University and Tohoku University
Moderated by Tsinghua University
Open to all at both universities



Program

Wednesday, March 30, 2022		
CST / Beijing	JST / Sendai	Contents
14:00-14:03	15:00-15:03	<p>Opening Remarks</p> <ul style="list-style-type: none"> ● Vice President (Research) Rong Zeng, Tsinghua University
14:03-14:51	15:03-15:51	<p>Final Reports from the 2019 Projects</p> <ul style="list-style-type: none"> ● Xue-Chen Y. P. Project [Spintronics] "Spin Transport and Excitations in MBE-grown Fe-based High Tc Superconductors" ● Han-Kawada Project [Materials Science] "Performance and mechanical analysis of gadolinium doped ceria as barrier layer in solid oxide fuel cell based on physical vapor deposition" ● Li-Miyazaki Project [Materials Science] "Exploring High-Efficiency Environmental-friendly Thermoelectric Materials" ● Zhou-Sato T. Project [Materials Science] "Search for revolutionary atomic-layer materials by advanced spin- and time-resolved photoelectron spectroscopies" ● Zhao-Sato Y. Project [Materials Science] "Development of Highly Reliable Wire Arc Metal Additive Manufacturing Process to Create High-performance Products" ● Ji-Ikago Project [Disaster Science] "Innovative Earthquake-resilient Structural System and Design Theory for High-Rise Buildings"
14:53-15:25	15:53-16:25	<p>Progress Reports from the 2020 Projects</p> <ul style="list-style-type: none"> ● Chen H.-Furuhara Project [Materials Science] "Design of Advanced High Strength Steels via Tuning Interface Migration and Element Partitioning" ● Fu-Miura Project [Materials Science] "Strain-Controlled Graphene-Nanoribbon-Base Biochemical Sensors" ● Yu-Tanaka Project [Disaster Science] "Dynamic response of coastal and estuarine morphology to disastrous flows" ● Zhong-Liu Project [Education, AI, Development Studies, Arts & Design, Environmental Studies] "Promote Sustainability through Innovating University Teaching and Learning in East Asia"
15:25-15:57	16:25-16:57	<p>Progress Reports from the 2021 Projects</p> <ul style="list-style-type: none"> ● Ni-Chen Y. Project [Materials Science] "Design of new high entropy alloys based on machine learning" ● Zhang-Udo Project [Disaster Science] "Economic impact of typhoon disasters to coastal cities" ● Bai-Tomida Project [Astrophysics, Planetary Science] "Protoplanetary disks and formation of terrestrial planets" ● Zeng-Matsubae Project [Environmental Studies] "Accurate Assessment of the Resource Potential and Urban Metabolism Mechanism of End-of-life Vehicles in China and Japan"
15:57-16:00	16:57-17:00	<p>Closing Remarks</p> <ul style="list-style-type: none"> ● Executive Vice President (Research) Motoko Kotani, Tohoku University