



Explanation of Programs

2025.6.18

15:00-15:30

2025.6.19

15:00-15:30

Tohoku Forum for Creativity



Develop innovative ideas through intensive,
focused discussions

Takashi Tsuboi

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TOHOKU FORUM for CREATIVITY



Mission

- Encourage international collaboration
- Facilitate interdisciplinary research
- Raise global leaders

Premium Sponsor



FY2025 Call for Proposals



What is Tohoku Forum for Creativity?

The Tohoku Forum for Creativity has been offering various opportunities for the development of new ideas. One such program is the "Thematic Program", which provides a platform for researchers to propose and develop their ideas. The program is designed to support researchers who are working on innovative projects and who are looking for a platform to share their ideas with other researchers. The program also provides a platform for researchers to collaborate with each other and to develop their ideas further.



Thematic Program

Call for Proposals

What we offer

01 | Financial support

Between 5,000,000 JPY and 10,000,000 JPY (Between 5,000,000 JPY and 10,000,000 JPY if budget increases are approved from the TFC)

02 | Support from TFC staff

We help organizers plan their programs and give comprehensive administrative and logistic support to each program.

03 | Ideal location

The House of Creativity has a lecture theater, informal discussion areas, and office spaces for invited researchers, which together make it the perfect location for workshops and programs.

Submission of a Letter of Intent **Aug.31, 2025**
Email: tfc_pg@pjh.tohoku.ac.jp

Submission of the Proposal **Sep.30, 2025**
Email: submission_tfc@pjh.tohoku.ac.jp

www.tfc.tohoku.ac.jp/programs/propose_a_program/to_propose_a_program.html





知のフォーラムとは？

知の創造センターは、日本初の本格的な学術研究センターとして、新しい知の創造に貢献して取り組む「知のフォーラム」を推進して参ります。そのための事業として、人文学部や理学部などからなる学際的なテーマプログラム、若手研究者が中心となって新しい課題に取り組むジュニアリサーチプログラム、社会問題に対する政策提言を目指す未来社会デザインプログラムです。また、プログラムへの参加の機会を拡大するため、学内だけでなく、学外からも、プログラムの参加者を募集しております。



知のフォーラム プログラム募集

Thematic Program
Junior Research Program
Future Society Design Program

2027年度開催
2026年度開催

プログラム推進支援

01 | 財政的支援

● 2027年度 Thematic Program: 500万円～10,000万円 (5,000万円～10,000万円)
● 2027年度 Junior Research Program: 500万円～1,000万円
● 2026年度 Future Society Design Program: 300万円～1,000万円 (300万円～1,000万円)

02 | 専属スタッフのサポート

プログラムの企画・運営・実施・評価・報告などのサポートを行います。また、プログラムの参加者を募集するためのサポートも行います。

03 | 知の場の利用

知の創造センターの会議室や、学内・学外からの参加者を募集するためのスペースなど、知の創造センターの施設を利用することができます。

応募期限 **2025年8月31日**
Email: tfc_pg@pjh.tohoku.ac.jp

提案書提出期限 **2025年9月30日**
Email: submission_tfc@pjh.tohoku.ac.jp

www.tfc.tohoku.ac.jp/programs/propose_a_program/to_propose_a_program.html





東北大学 研究推進・支援機構 知の創造センター
知のフォーラム事業

公募説明会 **オンライン開催!**

15分質疑 / 15分質疑 ※日本時間で実施

6/18 (水) 15:00-15:30 **6/19 (木) 15:00-15:30**

研究プログラム支援

「知のフォーラム」において2027年度に開催されるテーマプログラム、ジュニアリサーチプログラム、2026年度に開催される未来社会デザインプログラムを募集しております。

募集要項公開期間: 2025年8月31日
提案書提出期限: 2025年9月30日

2027年度 テーマプログラム Thematic Program

テーマプログラムの目的は、学際・社会的に重要な課題を解決すること、領域横断的研究を促進すること、若手研究者を育成することです。

2027年度 ジュニアリサーチプログラム Junior Research Program

ジュニアリサーチプログラムは、次世代の学術研究を担うグローバルリーダーを育成することを目的としています。人文社会科学から自然科学まであらゆる領域からの応募が可能な、応募者自身の関心に基づいた学際イベントを企画・実施していただけます。

2026年度 未来社会デザインプログラム Future Society Design Program

未来社会デザインプログラムでは、産学連携によるビジョン共創に取り組み、社会の共通課題の解決や研究成果の社会実装を目的として学際イベントを企画・実施していただけます。

	Thematic Program	Junior Research Program	Future Society Design Program
募集要項	500万円～1000万円 (5,000万円～10,000万円)	300万円 (3,000万円)	300万円 (3,000万円)
申請期限	2025年8月31日	2025年8月31日	2025年8月31日
応募資格	東北大学に所属する研究者	東北大学に所属する研究者	東北大学に所属する研究者
応募方法	募集要項に記載のとおり	募集要項に記載のとおり	募集要項に記載のとおり
問い合わせ先	知の創造センター	知の創造センター	知の創造センター

※詳細は募集要項を参照してください。

参加申込 (要登録) **申込締切 6月17日 15:00**

参加希望の方は QR コードまたは、下記 URL からお申し込み下さい。
<https://forms.gle/LryHc4q3nwt4674A>

【問合せ先】 東北大学研究推進・支援機構 知の創造センター Email: tfc_pg@pjh.tohoku.ac.jp



TOHOKU FORUM for CREATIVITY www.tfc.tohoku.ac.jp



TOHOKU FORUM for CREATIVITY

2025 Open Call Program Overview (Deadlines: LOI Aug 31, Appl. Form Sep 30, 2025)

		Thematic Program for FY2027	Junior Research Program for FY2027	Future Society Design Program for FY2026
Aim		Pioneering new interdisciplinary research that contributes to solving common problems of a human society	Supporting young researchers' interdisciplinary research and fostering the next generation of global leaders	Designing a future society that takes into account the solution of social issues and social implementation of research results through convergence knowledge
Elements		<ul style="list-style-type: none"> ■ Long-term stays of prominent foreign researchers ■ Multiple academic events ■ Mutually inspired interaction with young researchers 	<ul style="list-style-type: none"> ■ Young researcher-led ■ Long-term stays of prominent foreign researchers ■ Multiple academic events 	<ul style="list-style-type: none"> ■ Collaboration with companies and other stakeholders ■ Multiple academic events ■ Mutually-inspired interactions with young researchers
Requirements	Qualification of applicants	<ul style="list-style-type: none"> ■ Researchers from Japan and abroad 	<ul style="list-style-type: none"> ■ Researchers at Tohoku University under 45 yrs or within 10 yrs of receiving Ph.D 	<ul style="list-style-type: none"> ■ Researchers at Tohoku University
	Organizers (up to 6 people)	<ul style="list-style-type: none"> ■ Researcher(s) from Tohoku University (at least one) ■ Researchers from multiple disciplines ■ Overseas researchers (at least two) 	<ul style="list-style-type: none"> ■ Young researchers from multiple disciplines ■ Overseas researchers 	<ul style="list-style-type: none"> ■ Researchers from multiple disciplines ■ Participation of companies and/or other related parties ■ Overseas researchers
	Language	<ul style="list-style-type: none"> ■ English 	<ul style="list-style-type: none"> ■ English 	<ul style="list-style-type: none"> ■ English
Support	Budget (* if budget increases are approved)	5~10 million yen (*5~10 million yen)	3 million yen (*5 million yen)	3 million yen (*5 million yen) Budget from companies

You are welcome to contact the TFC program coordinators tfc_pg@grp.tohoku.ac.jp : Here we accept LOIs

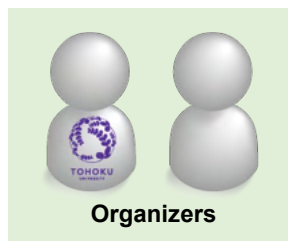
*Examples of academic events: International symposiums, international workshops, seminars, webinars, intensive lectures, public lectures, citizen cafes, exhibitions, etc.

Online Briefing Session(June 18 and 19) https://www.tfc.tohoku.ac.jp/jp/forum/propose_a_program/



TOHOKU FORUM for CREATIVITY

Personnel Organization



Tohoku Forum for Creativity (TFC)

Director



Asako Sugimoto

Vice Director



Takashi Tsuboi

Program Coordinators



Takao Koga
(Ph.D., Ethics)



Tetsuya Kageyama
(Ph.D., Medical Science)



Adrian Graboś
(Ph.D., Materials Engineering)



Lu Huang
(Ph.D., Japanology)

Support

IAB (International Advisory Board)

OAS (Organization for Advanced Studies)



Manager
Toshiyuki Hachiya

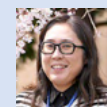
Staff

Chief



Mikihiro Watanabe

Contact Person



Satsuki Kudo



Aika Yatsu



Chiaki Takahashi



Yuki Oya

Public Relations



Yukako Endo



Ayumi Kobayashi



Riho Miura

Accounting /network



Kouichi Nagayama

Vice Director's Secretary



Masako Tsuchiya

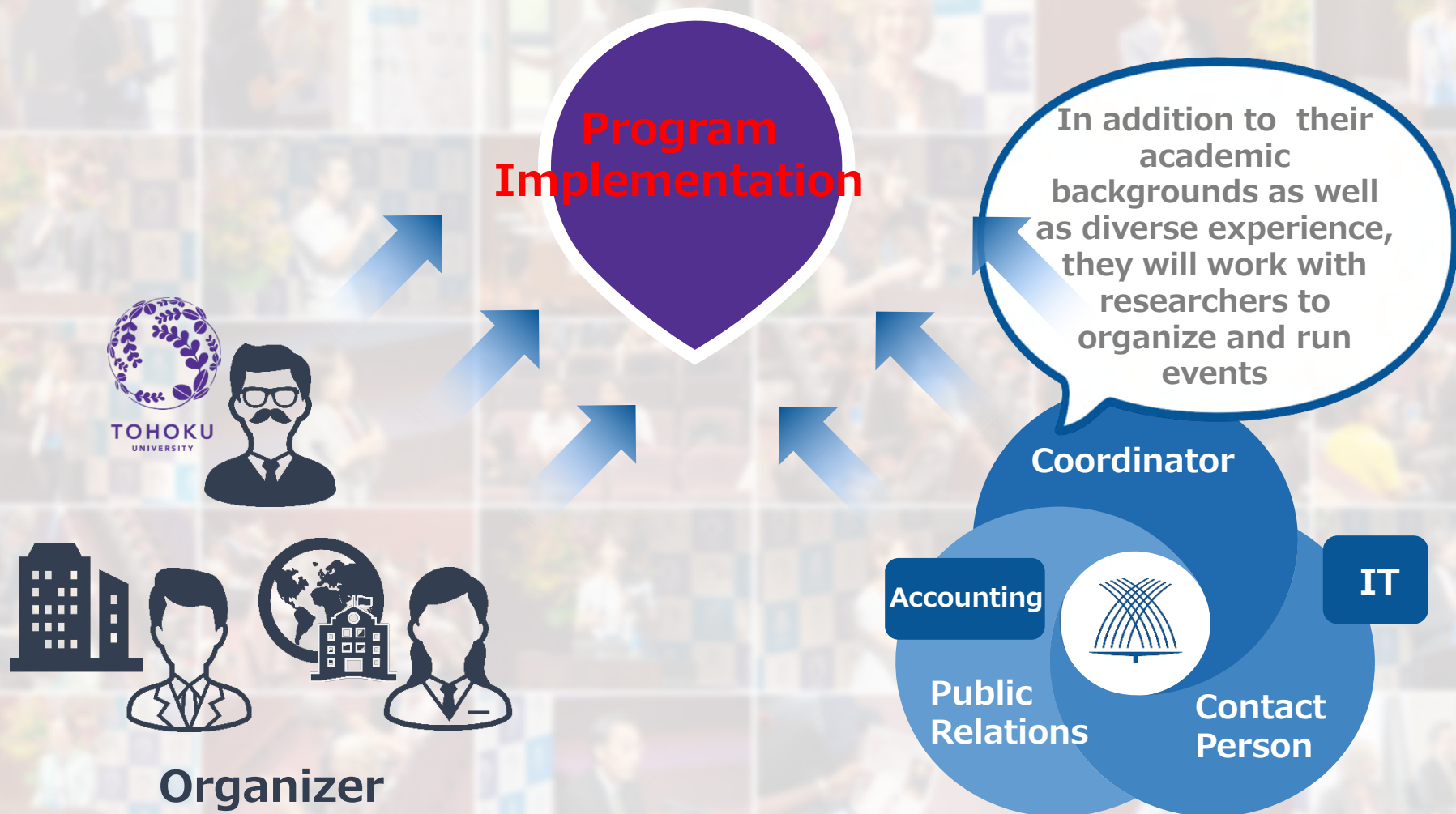
Support

June 2, 2025



TOHOKU FORUM for CREATIVITY

Program Management



Advisors

Special Advisors



Tetsuro Higashi
Corporate Director
Corporate Advisor
Tokyo Electron Limited



Makoto Kobayashi
Physics
Honorary Professor Emeritus
High Energy Accelerator Research Organization

International Advisory Board



Yuko Harayama
Emeritus Professor
Tohoku University



Mathias Kläui
Professor
Institute of Physics, Johannes
Gutenberg-University Mainz



Roeland Merks
Director
Lorentz Center



Makiko Naka
Special Advisors to
the President
RIKEN



Hiroshi Ooguri
Fred Kavli Professor and
Director of the Walter
Burke Institute for
Theoretical Physics
California Institute of
Technology



Huey-Jen Jenny Su
President Emeritus
Distinguished Professor
Department of Environmental
and Occupational Health
National Cheng Kung University



Fiona M. Watt
Director
European Molecular
Biology Organization



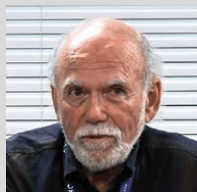
Katsuya Yamori
Professor
Research Center for Disaster
Reduction Systems, Disaster
Prevention Research Institute,
Kyoto University

Sendai, Tohoku Univ.



Invited World-class Researchers

FY2013



Barry Barish
Nobel laureate in
Physics 2017



Steven Weinberg
Nobel laureate in
Physics 1979



David Gross
Nobel laureate in
Physics 2004

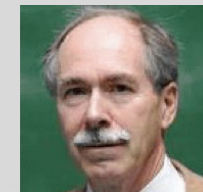
FY2014



Oliver Smithies
Nobel laureate in
Physiology or Medicine
2007



Hiroshi Amano
Nobel laureate in
Physics 2014



Gerardus 't Hooft
Nobel laureate in
Physics 1999

FY2015



François Englert
Nobel laureate in
Physics 2013



Martin Hairer
Fields Medalist
2014



Makoto Kobayashi
Nobel laureate in
Physics 2008



Susumu Tonegawa
Nobel laureate in
Physiology or Medicine
1987



Koichi Tanaka
Nobel laureate in
Chemistry 2002



Klaus von Klitzing
Nobel laureate in
Physics 1985

FY2015



Edvard Ingjald Moser
Nobel laureate in
Physiology or Medicine
2014



Maxim Kontsevich
Fields Medalist
1998



Shing-Tung Yau
Fields Medalist
1982



Kenji Fukaya
Asahi prize
2009



Peter A. Grünberg
Nobel laureate in
Physics 2007



Hiroshi Komiyama
The 28th President of
Tokyo University

FY2016



TOHOKU FORUM for CREATIVITY

Invited World-class Researchers

FY2017

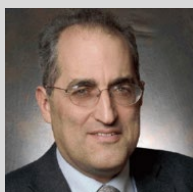


Takaaki Kajita
Nobel laureate in
Physics 2015



Mitsuhiro Yanagida
Recipient of
Order of Culture 2011

FY2018



Edward Witten
Fields Medalist
1990



Shing-Tung Yau
Fields Medalist
1982



Jennifer A. Doudna
Nobel laureate in
Chemistry 2020

FY2019



Daniel Shechtman
Nobel laureate in
Chemistry 2011

FY2019



Keiko Torii
Asahi prize
2021

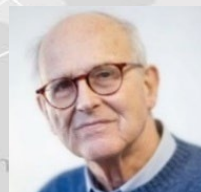
FY2020



Tasuku Honjo
Nobel laureate in
Physiology or Medicine
2018

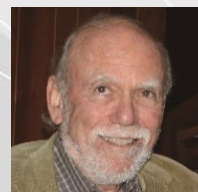


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Takaaki Kajita
Nobel laureate in
Physics 2015



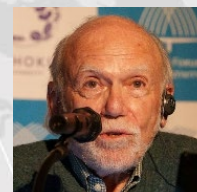
Rainer Weiss
Nobel laureate in
Physics 2017

FY2021



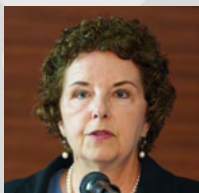
Barry Barish
Nobel laureate in
Physics 2017

FY2022



Barry Barish
Nobel laureate in
Physics 2017

FY2024



Martha Belury
Former President of
the American
Society for Nutrition



Wolfram Schultz
The Brain Prize
Winners 2017



Thematic Programs · Junior Research Programs

	Thematic programs				Junior Research Programs	
2013	Particle Physics and Cosmology after the Discovery of the Higgs boson					
2014	Challenges for Big Data in our Society Statistical Analysis of Large Scale, High Dimensional Data for Socio-Economic Problems	A Health Informatics Infrastructure for a New Era	Recovery from the Great East Japan Earthquake and Tsunami Future Strategies for Disaster Risk Reduction			
2015	Frontiers of Brain Science	Fundamental Problems in Quantum Physics: Strings, Black Holes and Quantum Information	Spintronics: from Mathematics to Devices	The Effects of Technological Changes on Social Mobility and Income Distribution		
2016	Modern Interactions between Algebra, Geometry and Physics	Earth and Planetary Dynamics	Comprehensive Research on Materials, Systems and Energy for a Sustainable Future of the Earth	The 21st Century Hasekura Project: Japanese Studies as the Interface of a New Knowledge	Interdisciplinary Approach to the Protection of Human Rights: Building Integrated Networks between Academic, State and Societal Actors	
2017	Aging Science: from Molecules to Society	Nonlinear Partial Differential Equations for Future Applications	New Horizons in Food Science via Agricultural Immunology		Nanostructured Magnetic Materials: Challenges for Next-Generation Materials	Political and Social Dynamics of Crisis and Innovation in Japan, Asia and the World
2018	Geologic Stabilization and Human Adaptations in North Asia	Tohoku Universal Acoustical Communication Month 2018	Frontier of Chemical Communication	String-Math 2018		
2019	Plant Stem Cells: Source of Plant Vitality	Creating a New Frontier through the Synergy of Quasicrystals and Strongly Correlated Electron Systems	Cancer - from Biology to Acceptance		The Future of Materials Engineering - Dramatic Innovation for the Next 100 Years	
2020	Designing the Human-Centric IoT Society -Cooperative Industry-Academic Strategies for Creative Future Connection-	Environmental and Financial Risks in Market-oriented Societies	Constructing healthy society: the road from integrated biobank to the real world		Dawn of Gravitational-wave Cosmology and Theory of Gravity	



Thematic Programs · Junior Research Programs · Future Society Design Programs

	2020	2021	2022	2023	2024	Thematic Programs	Junior Research Programs	Future Society Design Programs	
								Matching Fund Programs	Corporate Sponsorship Programs
						<div>Environmental and Financial Risks in Market-oriented Societies</div> <div>Constructing healthy society: the road from integrated biobank to the real world</div> <div>POST 2011 Tohoku triple disaster: Lessons and their global application on multi-hazards and cascading disasters</div> <div>Quantum-Annealing-based High-Performance Computing- Optimizing the real-world systems</div> <div>Evolving and Emerging Redox Biology and Bioenergetics for Medicine and Human Health</div> <div>Insights into Human History in the Eurasian Stone Age: Recent Developments in Archaeology, Palaeoanthropology and Genetics</div> <div>Frontier of Understanding Earth's Interior and Dynamics</div> <div>Integrated Understanding of Marine Environment and Marine Ecosystems</div> <div>Designing Foods for the Future</div> <div>Spinning the Future of Communication</div>	<div>Dawn of Gravitational-wave Cosmology and Theory of Gravity</div> <div>Human Sociality: Comparative Studies of Social Evolution and Historical Dynamics</div> <div>Tohoku Initiative for NeuroTech Innovations</div> <div>Universality of Strongly Correlated Few-body and Many-body Quantum Systems</div>	<div></div> <div></div> <div>Establishment of Lightning Resistant Metal Coating Technology on CFRP Assisted by Kinetic, Physical and Chemical Energies</div> <div>Contributions of XR Technology to Education and Society: The Metaverse and International Collaborative Creation</div> <div>Environmental Stress Response and Survival Strategy of Human Being</div> <div>Positioning of Nuclear Energy in Sustainable Energy Strategies - Redefining from a Risk Management Perspective</div> <div>Creating Diversified and Inclusive Cities Through Boccia in Public Spaces</div> <div>Sustainable Structural Integrity for Energy Infrastructure</div> <div>How can the Digitalization of Japan's Democracy be Promoted?</div> <div>Urban Transition with Wood for Enhanced Resilience of Cities and Forests</div> <div>Tohoku Transition to Future</div>	<div>TFC×TEL Collaboration Designing the Human-centric IoT Society -Cooperative Industry-academic Strategies for Creative Future Connection-</div> <div>TFC×AXA Collaboration Program on Social Innovations in Insurance in the Digital Society</div> <div>TFC×TEL Collaboration Program: Designing a Digital and Sustainable Society</div> <div>TFC×AXA Collaboration Program on Social Innovations in Insurance in the Digital Society</div> <div>TFC×TEL Collaboration Program: Designing a Digital and Sustainable Society</div> <div>TFC×AXA Collaboration Program on Social Innovations in Insurance in the Digital Society</div> <div>TFC×TEL Collaboration Program: Designing a Digital and Sustainable Society</div> <div>TFC×AXA Collaboration Program</div>



Thematic Programs · Junior Research Programs · Future Society Design Programs

	Thematic Programs	Junior Research Programs	Future Society Design Programs	
			Matching Fund Programs	Corporate Sponsorship Programs
2025	<div>Uncovering Causality in our Complex World</div> <div>Promotion of Personalized Prevention Through the Use of Large-Scale Data</div>	<div>Molecular Machines for Multiscale Applications</div> <div>The Theory of Periodic Tangles and Their Interdisciplinary Applications</div>	<div>Supersulfides Biology for Life and Social Innovation</div>	<div>TFC×TEL Collaboration Program</div>
2026	<div>Towards New Scientific Horizons with Synchrotron Radiation</div>	<div>X-ray Spectroscopy for Future Nano Materials Science</div> <div>International Forum of Solid State Batteries – Novel Approach to Design of Energy Storage Materials</div>	<div></div> <div></div>	<div>TFC×TEL Collaboration Program</div>
2027	<div></div> <div></div>	<div></div> <div></div>		<div>TFC×TEL Collaboration Program</div>
2028				
2029				



2022

2023

Contributions of XR Technology to Education and Society

The Metaverse and International Collaborative Creation



Events

- International Symposium 1 : The Metaverse and XR Technology - Educational Applications and International Collaboration (December 2-3, 2022)
- International Symposium 2 : XR Technology and International Collaboration - Educational and Social Contributions
- Workshop: XR Technology and The Metaverse - Now and in the Future
- Public Forum : The Future of XR Technology and its Implications

Organizers

Masako Hayashi (Tohoku University) Norihiro Nakamura (Tohoku University) Masayuki Ohzeki (Tohoku University)
Yusuke Morita (Waseda University) Hidenori Yagi (Tohoku University) Takeshi Koike (ASA DIGITAL) Ryo Kitamura (RICOH JAPAN)

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TEL
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ASA

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TOHOKU FORUM for CREATIVITY

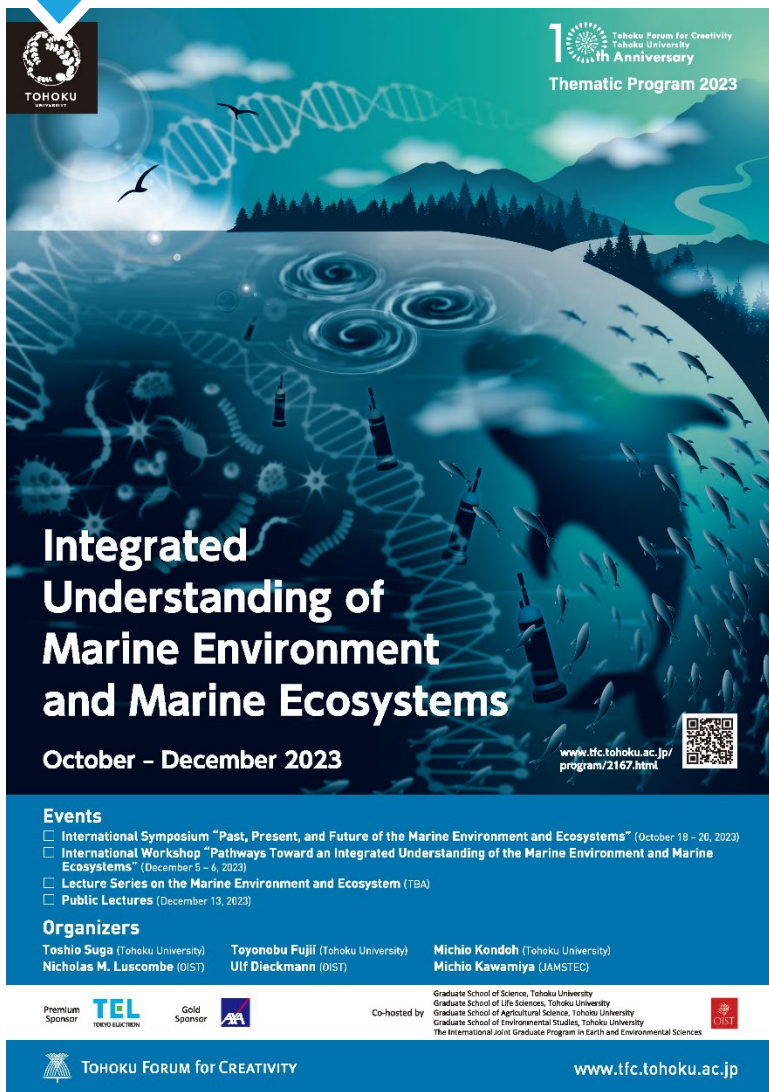
www.tfc.tohoku.ac.jp



TOHOKU FORUM for CREATIVITY

2023

Integrated Understanding of Marine Environment and Marine Ecosystems



TOHOKU UNIVERSITY

10th Anniversary
Tohoku Forum for Creativity
Tohoku University
Thematic Program 2023

Integrated Understanding of Marine Environment and Marine Ecosystems

October – December 2023

www.tfc.tohoku.ac.jp/program/2167.html

Events

- International Symposium "Past, Present, and Future of the Marine Environment and Ecosystems" (October 18 – 20, 2023)
- International Workshop "Pathways Toward an Integrated Understanding of the Marine Environment and Marine Ecosystems" (December 5 – 6, 2023)
- Lecture Series on the Marine Environment and Ecosystem (TBA)
- Public Lectures (December 13, 2023)

Organizers

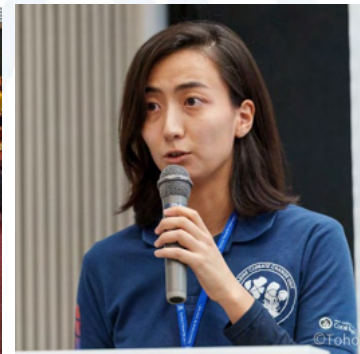
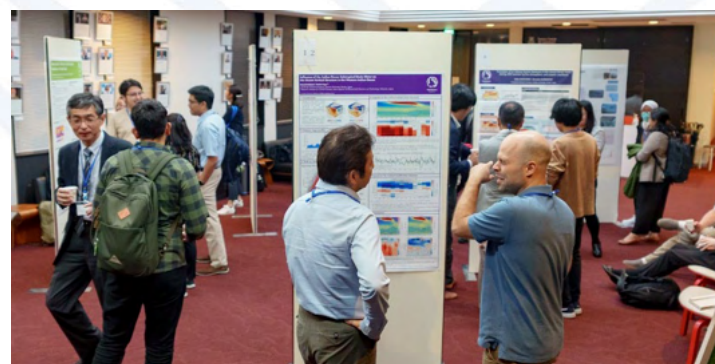
Tooshio Suga (Tohoku University)	Toyonobu Fujii (Tohoku University)	Michio Kondoh (Tohoku University)
Nicholas M. Luscombe (OIST)	Ulf Dieckmann (OIST)	Michio Kawamiya (JAMSTEC)

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Co-hosted by Graduate School of Science, Tohoku University
Graduate School of Life Sciences, Tohoku University
Graduate School of Agriculture, Tohoku University
Graduate School of Environmental Studies, Tohoku University
The International Joint Graduate Program in Earth and Environmental Sciences

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TOHOKU FORUM for CREATIVITY

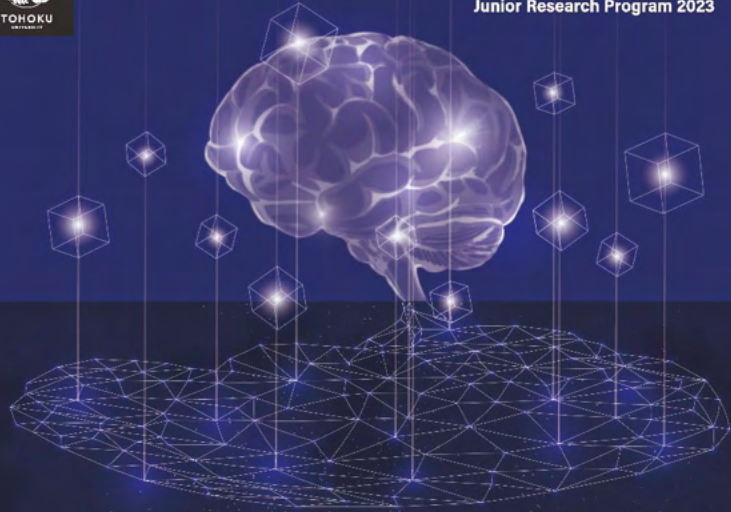
2023

Tohoku Initiative for NeuroTech Innovations



10th Anniversary
Tohoku Forum for Creativity
Tohoku University

Junior Research Program 2023



Tohoku Initiative for NeuroTech Innovations

July - August 2023

www.tfc.tohoku.ac.jp/junior-research-program/program/8006.html


Events

The 7th FRIS-TFC Collaboration Event / The JNS2023 Satellite Program

- Tohoku NeuroTech Symposium (TNS) (July 31, 2023)
- NeuroTech Art Exhibition (July 31, 2023 - August 4, 2023)

Keynote Speakers

Haruhiko Bito (The University of Tokyo)
Naotaka Pajul (Ducasse Inc.)
Ken-ichiro Tsutsui (Tohoku University)

Representative Invited Speakers

Ritchie Chen (University of California, San Francisco)
Yukimori Hirano (The Hong Kong University of Science and Technology)
Ryutaro Mori (Konica Minolta Inc.)
Maryka Yee Uusilahti (Duke University of Science and Technology)

Program Advisors

Noriko Sumi (Tohoku University)
Hajime Moshike (Tohoku University)

Organizers

Tsuyunyan Gao (Tohoku University)
Hiroya Abe (Tohoku University)
Takeshihiko Ishikawa (Tohoku University)
Tamaki Iwano
(Artist / Former Ph.D. student at Tohoku University)

Premium Sponsor 

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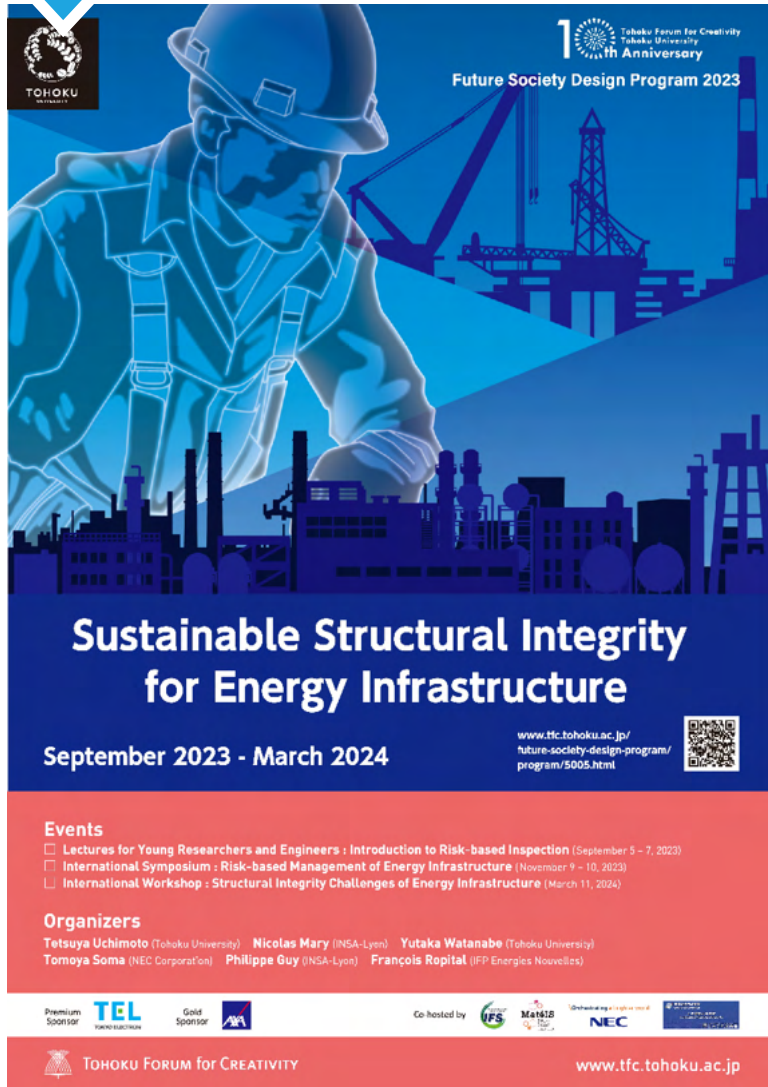
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TOHOKU FORUM for CREATIVITY

2023

Sustainable Structural Integrity for Energy Infrastructure



TOHOKU UNIVERSITY

100th Anniversary
Tohoku Forum for Creativity
Tohoku University

Future Society Design Program 2023

Sustainable Structural Integrity for Energy Infrastructure

September 2023 - March 2024

www.tfc.tohoku.ac.jp/future-society-design-program/program/5005.html

Events

- ▢ Lectures for Young Researchers and Engineers : Introduction to Risk-based Inspection (September 5 - 7, 2023)
- ▢ International Symposium : Risk-based Management of Energy Infrastructure (November 9 - 10, 2023)
- ▢ International Workshop : Structural Integrity Challenges of Energy Infrastructure (March 11, 2024)

Organizers

Tetsuya Uchimoto (Tohoku University) Nicolas Mary (INEA-Lyon) Yutaka Watanabe (Tohoku University)
Tomoya Soma (NEC Corporation) Philippe Guy (INSA-Lyon) François Ropital (IFP Energies Nouvelles)

Premium Sponsor **TEL** Gold Sponsor **MA** Co-hosted by **IPS** **Mat&S** **NEC**

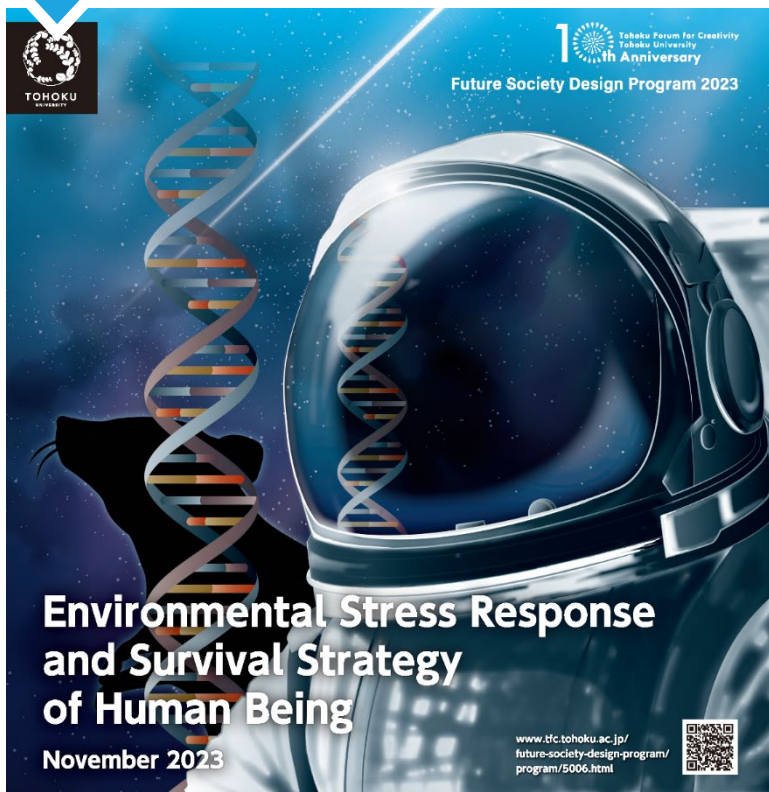
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TOHOKU FORUM for CREATIVITY

2023

Environmental Stress Response and Survival Strategy of Human Being



Events

- International Symposium: The Environmental Response VI (November 3 – 5, 2023)
- Public Lecture: Space & Health (November 5, 2023)

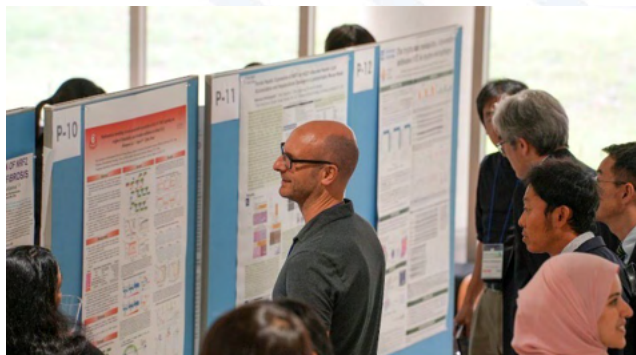
Organizers

Masayuki Yamamoto (Tohoku University) Antonio Cuadrado (Autonomous University of Madrid) Ken Itoh (Hiroaki University)
 Thomas W. Kensler (Fred Hutchinson Cancer Center) Anna-Liisa Levonen (University of Eastern Finland)
 Dai Shiba (Japan Aerospace Exploration Agency)

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TOHOKU FORUM for CREATIVITY

How can the Digitalization of Japan's Democracy be Promoted?

: The Environmental Improvement for Digital Democracy from the Perspective of Institutions, Awareness, and Technology



Future Society Design Program 2023



どうすれば日本の民主主義のデジタル化は進むのか
制度・意識・技術の視点から考えるデジタル・デモクラシーに向けての環境整備

2023年6月～2024年3月

www.tfc.tohoku.ac.jp/future-society-design-program/program/1002.html



イベント

- 地方議員のための議会DXセミナー (2023年6月1日)
- インターネット投票による主権者教育 (仙台 2023年7月予定 / 東京 日程未定)
- 民主主義に係る学術会議 (V-Dem East Asia) (2023年11月予定)
- インターネット投票に関する市民シンポジウム (2023年開催予定)
- 成果報告会 (2024年2月予定)
- 地方議会のデジタル化に関する宮城県民フォーラム (2024年3月予定)

オーガナイザー

- 河村 和徳 (東北大学)
- 市ノ瀬 亮 (株式会社VOTE FOR)
- 木村 泰知 (小樽商科大学)
- コソング (大田大学)
- バク ジェヨン (KEVoting, Inc)
- 湯淺 陽道 (明治大学)

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共催 GSIS 20th ANNIVERSARY NEC ネットズエスアイ

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TOHOKU FORUM for CREATIVITY

2023

2024

Positioning of Nuclear Energy in Sustainable Energy Strategies - Redefining from a Risk Management Perspective

TOHOKU UNIVERSITY
100th Anniversary
Future Society Design Program 2023-2024

Positioning of Nuclear Energy in Sustainable Energy Strategies

Redefining from a Risk Management Perspective

August 2023 - August 2024

www.tfc.tohoku.ac.jp/future-society-design-program/program/S004.html

Events

- Decommissioning Workshop: Statuses of Nuclear Decommissioning in Japan and in US - Knowing the Differences (August 4, 2023)
- Risk Acceptance Workshop: Dialogue Based on the Results of a Comparative Study of Attitude Formation Factors toward Nuclear Technology in Japan and in US (January - February, 2024)

Organizers

Yutaka Watanabe (Tohoku University) Makoto Takahashi (Tohoku University)
Todd Allen (University of Michigan) Yugo Ashida (JOINTU International Inc.)

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Co-hosted by: FReND, M, JOINTU INTERNATIONAL, NUCLEAR ENGINEERING & RADIOLOGICAL SCIENCES, JOINTU

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TOHOKU FORUM for CREATIVITY

Designing Foods for the Future

Tohoku Forum for Creativity
Thematic Program 2024



Designing Foods for the Future
August – October 2024

www.tfc.tohoku.ac.jp/program/2168.html

Events

Joint Symposia

- Argentinean-Japanese Lactic Acid Bacteria (August 8-9, 2024 @CERELA-CONICET, Argentina)
- Designing Foods for the Future (September 19-21, 2024 @Tohoku University, Japan)
- Functional Foods, Medicinal Foods & Food Psychology (October 25-26, 2024 @Taipei Medical University, Taiwan)

Workshops

- Synchrotron Light for Future Foods (September 17-18, 2024 @Tohoku University, Japan)
- Health and Well-Being (September 17-19, 2024 @Tohoku University, Japan)

Organizers

Haruki Kitazawa (Tohoku University)
Hitoshi Shirakawa (Tohoku University)
Masahiko Harata (Tohoku University)
Tomonori Nochi (Tohoku University)
Nobuyuki Sakai (Tohoku University)
Yuki Takayama (Tohoku University)
Rong-Hong Hsieh (Taipei Medical University)
Suh-Ching Yang (Taipei Medical University)
Julio Villena (CERELA-CONICET)

Co-hosted by
Graduate School of Agricultural Science, Tohoku University

In cooperation with
Graduate School of Arts and Letters, Tohoku University

In association with
Innovation Center for Future Agricultural Production and Food Industry (ICAFI)

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2024

Spinning the Future of Communication

Tohoku Forum for Creativity
Thematic Program 2024



Spinning the Future of Communication

September 2024 – March 2025

www.tfc.tohoku.ac.jp/program/2169.html

Events

- **Social Memory: Neural Basis of Communication, Part 1**
(September 5 – 6, 2024)
- **Reward, Motivation, and Beyond: Neural Basis of Communication, Part 2**
(October 14, 2024)
- **Towards the Future of Communication: Creating an Inclusive World with Neuro/Bioscience and Engineering Technologies**
(March 26 – 28, 2025)

Organizers

Ken-ichiro Tsutsui
(Tohoku University)

Noriko Osumi
(Tohoku University)

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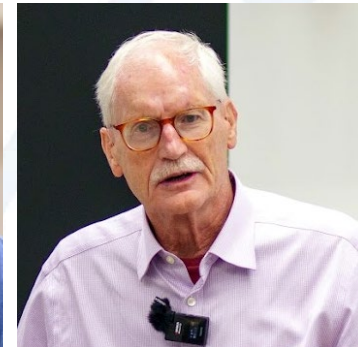
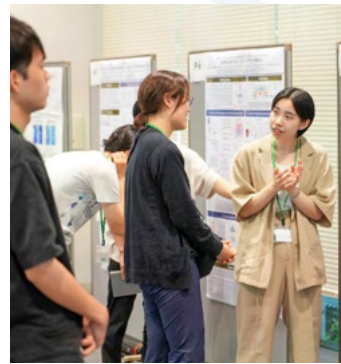
Co-hosted by

- Neuro Global International Joint Graduate Program
- Graduate School of Life Sciences, Tohoku University
- Tohoku University Graduate School of Medicine
- Tohoku University Brain Science Center
- Moonshot Goal 3
- National Research Program for Neurological Disorders and Mental Health
- Multidisciplinary Frontier Brain and Neuroscience Discoveries



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TOHOKU FORUM for CREATIVITY

2024

Universality of Strongly Correlated Few-Body and Many-Body Quantum Systems



Tohoku Forum for Creativity
Junior Research Program 2024

Universality of Strongly Correlated Few-body and Many-body Quantum Systems

August – September 2024

[www.tfc.tohoku.ac.jp/
junior-research-program/
program/8007.html](http://www.tfc.tohoku.ac.jp/junior-research-program/program/8007.html)



Events

- ☐ Public Lecture by Famous Expert of Quantum Systems: Prof. Dam Thanh Son (University of Chicago)
- ☐ International Workshop: Universality of Quantum Systems: From Cold Atoms, Nuclei, to Hadron Physics (September 4 - 5, 2024)

Organizers

Shimpei Endo (University of Electro-Communications) Kelsuke Fujii (University of Tokyo) Masaru Hongo (Niigata University) Daisuke Yoshida (Tohoku University)

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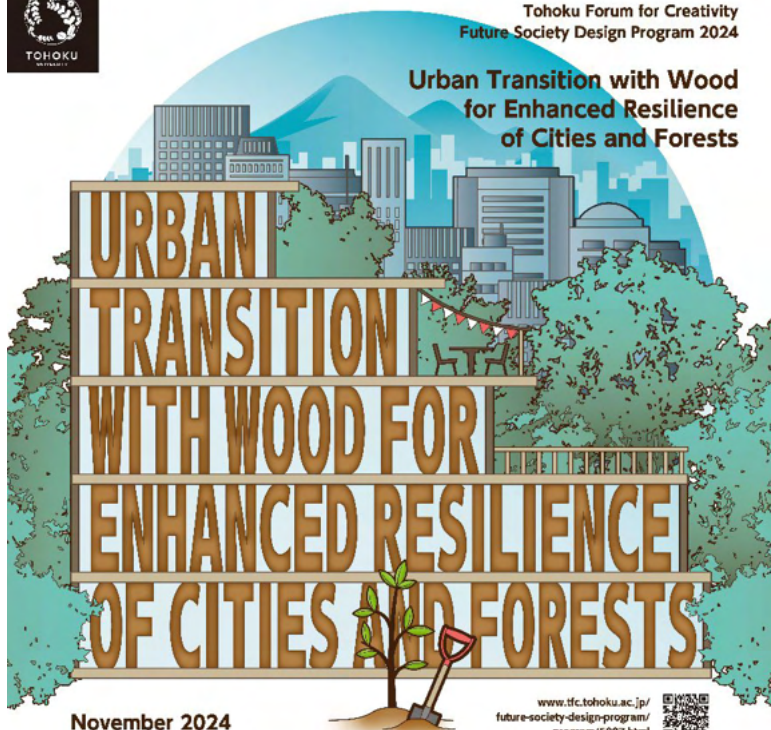
2024

Urban Transition with Wood for Enhanced Resilience of Cities and Forests



Tohoku Forum for Creativity
Future Society Design Program 2024

Urban Transition with Wood
for Enhanced Resilience
of Cities and Forests



November 2024

[www.tfc.tohoku.ac.jp/
future-society-design-program/
program/5007.html](http://www.tfc.tohoku.ac.jp/future-society-design-program/program/5007.html)



Events

- Workshop on Locality Based on the advanced case study of Maniwa City, Okayama Prefecture (November 17-18, 2024 at Maniwa City & Meiken Laminwood Corporation)
- The 3rd Global Seminar: ON SUSTAINABLE & EARTHQUAKE RESILIENT STRUCTURES (November 19, 2024 at Okayama University Commons, Okayama University)
- Workshop on Resilience: Learning from the Great East Japan Earthquake Reconstruction (November 20-21, 2024 at Sorita 211 Memorial Community Center)
- Public Seminar: Facts, Challenges and Future Prospects of Forestry and Wood Construction in the World (November 21, 2024 at TOKYO ELECTRON House of Creativity, Tohoku University)
- Global WS: Urban Transition with Wood for Enhanced Resilience of Cities and Forests (November 22, 2024 at TOKYO ELECTRON House of Creativity, Tohoku University)

Organizers

Naoki Maeda
(Tohoku University)

Nayuki Matsumoto
(Tohoku University)

Yutaka Goto
(Osaka University of Technology / Tohoku University)

Robert Jockwer
(Technical University of Dresden)

Lisa Ottenhaus
(The University of Queensland)

Yasuteru Karube
(GRIFFIN co., Ltd.)

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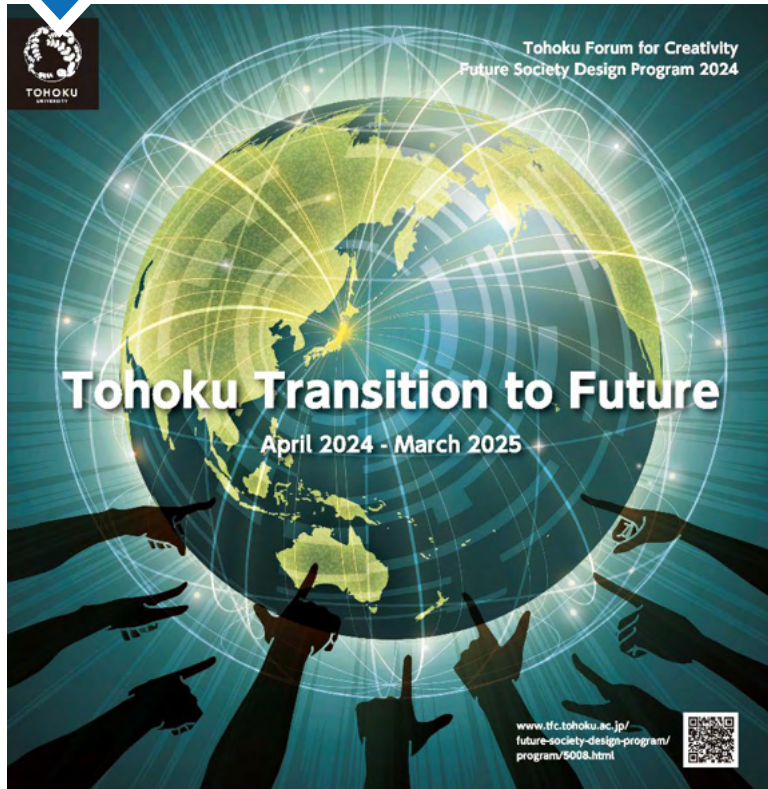
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TOHOKU FORUM for CREATIVITY

2024

Tohoku Transition to Future



Events

- Co-creation Session with Citizens (January 24, 2025)
- Final Symposium (March 24, 2025)

Organizers

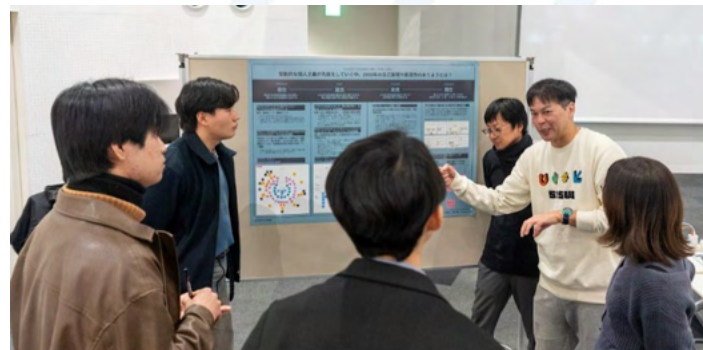
Makoto Takahashi (Tohoku University) Shuichi Ishida (Tohoku University)
Yasuhiro Fukushima (Tohoku University) Masaki Iwabuchi (JPMorgan Chase & Co, USA)



Co-hosted by Graduate School of Engineering, Tohoku University

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TOHOKU FORUM for CREATIVITY

Schedule example for the implementation of a theme program 2027

Preparation

AY2026

Preparatory meetings:
general meetings, meetings
(once a month),
individual consultation
Program planning
Events: Pre-event
Public relations: Poster design,
website creation, etc.

Program

AY2027

Management meetings: general
meetings (1~2 times/month),
individual consultations
Event planning and management:
International symposiums,
workshops, co-sponsored outreach
Invitation of researchers: domestic
and overseas (lecture honorarium)
Publicity: Event announcements
(requests to post on university
website, TFC website, SNS),
photography during events, etc.
Reporting

AY2028

• Annual Report
(by
coordinator)



Future Society Design Programs

[FY2022 Program]

Creating Diversified and Inclusive Cities through the Boccia at the Public Space

Jun Mitarai (Graduate School of Law, Tohoku University)
NEC, Showa

Establishment of Lightning Resistant Metal Coating Technology on CFRP Assisted by Kinetic, Physical and Chemical Energies

Kazuhiro Ogawa (Fracture and Reliability Research Institute, Tohoku University)
TORAY, JAXA

[FY2022 – FY2023 Program]

Contributions of XR Technology to Education and Society: The Metaverse and International Collaborative Creation

Masako Hayashi (Institute for Excellence in Higher Education, Tohoku University)
RICOH, ASA DIGITAL

[FY2023 Program]

Sustainable Structural Integrity for Energy Infrastructure

Tetsuya Uchimoto (Institute of Fluid Science, Tohoku University)
NEC

Environmental Stress Response and Survival Strategy of Human Being

Masayuki Yamamoto (Tohoku Medical Megabank Organization, Tohoku University)
The Uehara Memorial Foundation
Intelligent Cosmos Academic Foundation, etc

How can the Digitalization of Japan's Democracy be Promoted?

: The Environmental Improvement for Digital Democracy from the Perspective of Institutions, Awareness, and Technology

Kazunori Kawamura (Graduate School of Information Sciences, Tohoku University)
NEC



Future Society Design Programs

【FY2023 – FY2024 Program】

Positioning of Nuclear Energy in Sustainable Energy Strategies

– Redefining from a Risk Management Perspective

Yutaka Watanabe

(Center for Fundamental Research on Nuclear Decommissioning / Graduate School of Engineering, Tohoku University)

JOINLU International Inc.

【FY2024 Program】

Urban Transition with Wood for Enhanced Resilience of Cities and Forests

Masaki Maeda (Graduate School of Engineering, Tohoku University)

Meiken Meiken Lamwood

Tohoku Transition to Future

Makoto Takahashi (Graduate School of Engineering, Tohoku University)

【FY2025 Program】

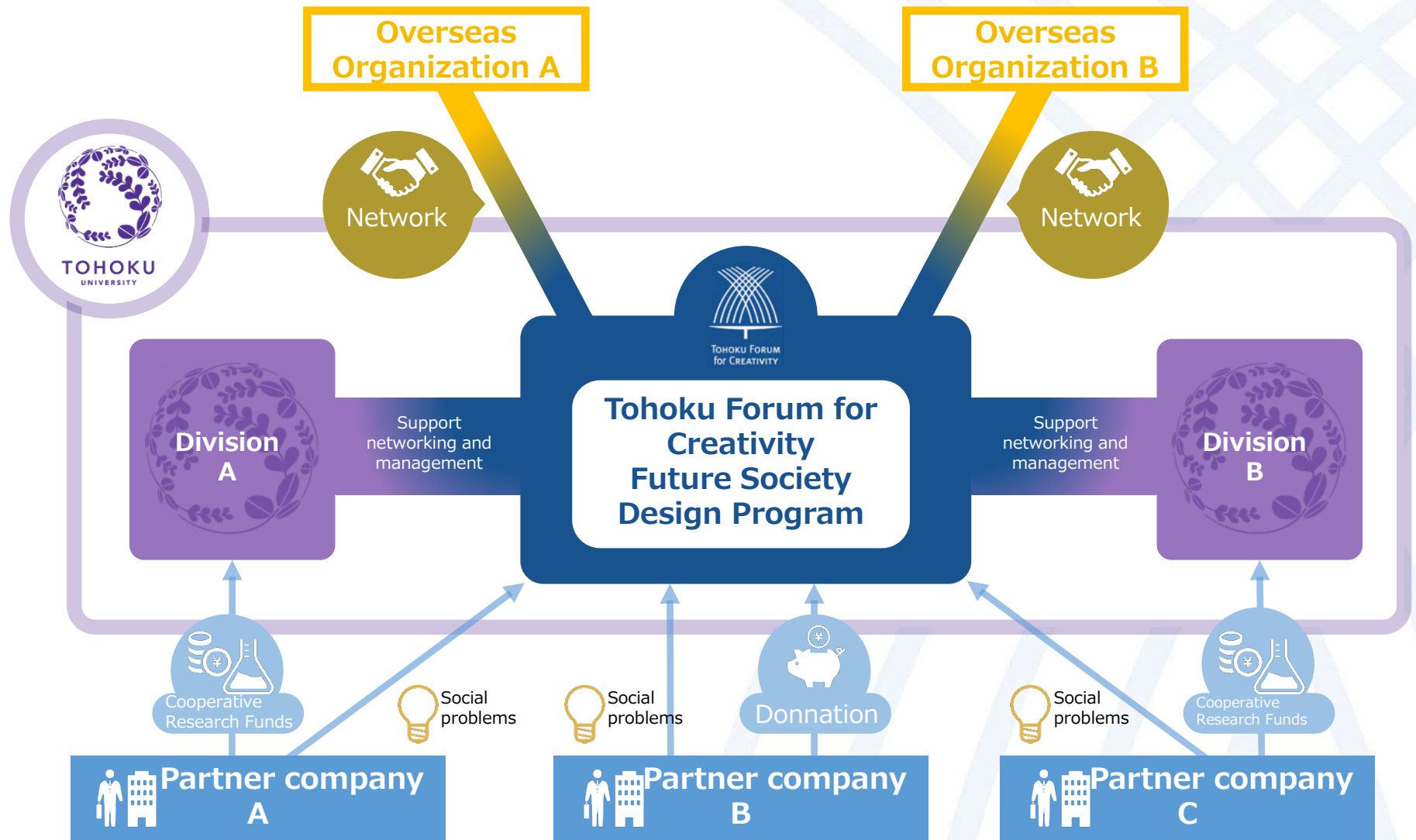
Supersulfides Biology for Life and Social Innovation

Takaaki Akaike (Graduate School of Medicine, Tohoku University)

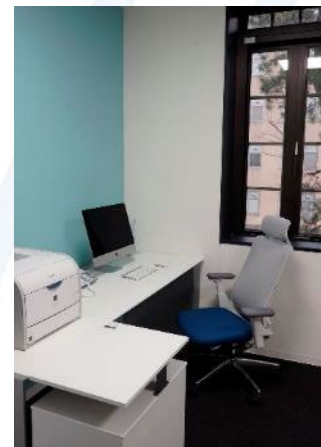
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Future Society Design Programs



TOKYO ELECTRON House of Creativity



Related URL

- **Submission Guidelines**

https://www.tfc.tohoku.ac.jp/programs/propose_a_program/to_propose_a_program.html

- **July 7, 2025, 16:30 – 19:30@Tokyo Electron House of Creativity
2024 Program debriefing Session and Networking
For participation, mail to tfc_pg@grp.tohoku.ac.jp**



Evaluation Criteria for the proposals

- Evaluation Criterion 1 (Challenge and Outreach)
- Evaluation Criterion 2 (Internationality, Interdisciplinarity and Reasonability in implementing at Tohoku University)
- Evaluation Criterion 3 for TP and JRP (Visiting and Stay Program)
Evaluation Criterion 3 for FSD (Feasibility of Financial Cooperation)
- Evaluation Criterion 4 (Participation of Young People and Contribution to their Leap)



Q&A (1)

1. Is it possible to hold symposiums, etc. outside of Tohoku University?
Possible as a satellite event closely related to the main one.
2. How are the difference between long term and short term visitors?
Short-term visitors are expected to be prominent professors, and long-term visitors are expected to be collaborators, including young researchers. Invitees may also include PDs. During the long-term stay, in addition to giving lectures at workshops, etc., they are expected to discuss joint supervision of students and future project applications.
3. Should the number of organizers be large?
We are assuming a number of people (no more than 6) with whom we can have substantive discussions. Interdisciplinary spread and gender balance should be taken into consideration.
4. Is it acceptable to invite more than one distinguished researcher for the Junior Research Program?
No problem, as long as it is within the budgeted amount.



Q&A (2)

5. In the Junior Research Program, should only young faculty members serve as organizers?
We would like the organizers to consist of young professors, but the International Advisory Board has recommended that senior professors be invited to join.
6. I think it is difficult to invite a large number of participants due to the rising cost of travel.
It would be good if we could include those who can come with other research funds, etc.
7. Is it possible to pay for the banquet, etc. with expenses?
Yes, within the scope of the regulations. Alcohol is not allowed.
8. Is it possible to provide travel expenses for participants from Japan?
Yes, it is possible.
9. Is it better to have a workshop format with a large number of speakers giving short talks or a small number of speakers giving long talks?
This is up to the organizers to decide, but the latter is the case at TFC in many cases.

