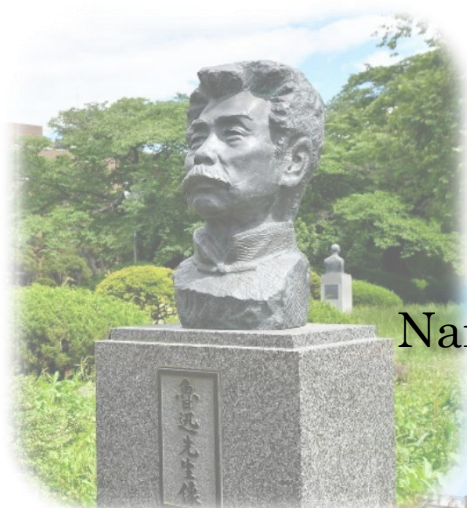


**The 4th Tohoku University (TU)
-University of Science and Technology Beijing
(USTB)- Symposium**
(USTB)- Symposium

Oct. 28th ~ Oct. 30th, 2024

Naruko Sensyokan Hotel, Miyagi, JAPAN



TOHOKU
UNIVERSITY



北京科技大学
University of Science and Technology Beijing

The 4th TU-USTB Symposium

11th - 13th October 2019



28

10:00 –	Depart
12:00 –	Lunch
13:00 – 14:50	Oral Presentation
14:50 – 15:10	Break
15:10 – 17:40	Oral Presentation
19:00 –	Banquet



29

9:00 –	Excursion
12:00 –	Lunch
13:00 – 15:50	Oral Presentation
15:50 – 16:30	Break
16:30 – 18:00	Poster 1
19:30 – 21:00	Poster 2

The 4th TU-USTB Symposium



28th Oct.

- 10:00 Depart at Tohoku Univ.
- 12:00 Lunch at Sensho-kan
- 13:00 – 13:05 Opening Remarks by Tohoku University
(Prof. H. Fukuyama)
- 13:05 – 13:10 Opening Remarks by USTB (Prof. Y. Zhang)
- 13:10 – 13:30 U-OL01 *USTB*, *USTB*, Professor, Kexin CHEN
Ductility Ceramic from Dream to Reality
- 13:30 – 13:50 U-OL02 *USTB*, Professor, Yandong WANG
Metallic Rubbers
- 13:50 – 14:00 T-OL01 *TU*, Professor, Atsushi MURAMATSU
To be determined
- 14:00 – 14:20 U-OL03 Professor, Xiaolu PANG
Research on nanotwinned ceramic sputtering coatings
- 14:20 – 14:40 U-OL04 *USTB*, Professor, Chengjia SHANG
New Insights from Crystallography into Effect of Boundaries on Toughness of Bainitic/Martensitic Steel
- 14:40 – 14:50 T-OL02 *TU*, Professor, Kiyoshi KANIE
Liquid-Crystalline Dendron-Modified Functional Nanoparticles: Dynamic Control of Array Structure by Thermal Phase Transition
- 14:50 – 15:10 Break
- 15:10 – 15:30 U-OL05 *USTB*, Professor, Wenbin CAO
Construction of heterojunctions for Efficient Photocatalysis

The 4th TU-USTB Symposium



28th Oct.

- 15:30 – 15:50 U-OL06 USTB, Professor, Yang HE
Abnormal materials transformations unlocked by reduced crystal sizes
- 15:50 – 16:00 T-OL03 TU, Professor, Shu YIN
Development of Optical Responsive Functional Materials for Human Life / Health / Environment
- 16:00 – 16:20 U-OL07 USTB, Professor, Qipeng LU
Preparation of Noble Metal-Based Intermetallic Compounds for Energy Catalysis
- 16:20 – 16:40 U-OL08 USTB, Professor, Jikun CHEN
Electronic phase transition materials for the next generation thermistor devices
- 16:40 – 16:50 T-OL04 TU, Professor, Takaaki TOMAI
Enhancing Electrochemical Reaction using Hydrothermal Conditions toward Carbon-Neutral Chemical Industry
- 16:50 – 17:10 U-OL09 USTB, Professor, Zhuojian LIANG
Suppressing singlet oxygen generation in lithium-oxygen batteries with redox mediators
- 17:10 – 17:30 T-OL05 TU, Professor, Hitoshi KASAI
Newly Designed Drug Delivery System Using Nano-Prodrugs without Carrier
- 17:30 – 17:40 U-OL10 USTB, Professor /Dean, Qingliang LIAO
To be determined
- 19:00 – Banquet

The 4th TU-USTB Symposium



29th Oct.

- 9:00 Excursion
- 12:00 Lunch at Sensho-kan
- 13:00 – 13:20 U-OL11 *USTB*, Associate Professor, Yunwei GUI
**Study on the "shape/property" regulation of additively
manufactured metal parts driven by machine learning**
- 13:20 – 13:40 T-OL06 *TU*, Professor, Takahiro YAMADA
**Exploration of novel inorganic functional materials and
development of new synthetic processes**
- 13:40 – 13:50 T-OL07 *TU*, Professor, Akira KIRISHIMA
**Basic chemistry research on the nuclear fuel debris
generated in the Fukushima NPP accident**
- 13:50 – 14:10 U-OL12 *USTB*, Professor,
To be determined
- 14:10 – 14:30 U-OL13 *USTB*, Professor, Yuan WU
**Tailoring oxygen distribution for synergy of
strength and ductility in high-entropy alloys**
- 14:30 – 14:40 U-OL14 *USTB*, Professor,
To be determined
- 14:40 – 15:10 Break

The 4th TU-USTB Symposium



29th Oct.

- 15:10 – 15:30 U-OL15 USTB, Professor /Vice Dean, Jingyuan LI
Study on Low Temperature Toughness and Magnetic Properties of Ferritic Stainless Steel
- 15:30 – 15:50 U-OL16 USTB, Professor /Vice Dean, Wenjun DONG
Structural design and catalytic enhancement mechanism of ZnIn₂S₄-based photocatalytic materials
- 15:50 – 16:30 Break
- 16:30 – 18:00 Poster
- 19:30 – 21:00 Poster