IMRAM & National Taipei University of Technology

2026 JOINT SYMPOSIUM

November 26 (Thu), 2026
IMRAM, South Multidisciplinary Research Laboratory 2
Tohoku University, Katahira Campus

TOHOKU UNIVERSITY

TAIPEI TECH

IMRAM

Program

November 26th (Thursday), 2026

OPENING REMARKS: 09:00 – 09:15

IMRAM Director Prof. Hiroyuki Fukuyama
& NTUT Dean of OIA Prof. Chuan-Ming Liu

MORNING SESSION 1: KEYNOTE SPEECH I

(Chairperson Prof. Tomoyuki Akutagawa)

Time	No.	Presenter	Title
09:15 – 09:45	KN-01	Distinguished Prof. Norman Lu	Preparation and studies of fluorinated ligands and their metal complexes (Cu, Co, Pt etc.): From catalysis to the non-covalent bond-induced C-H bond change and applications to new sustainable materials

MORNING SESSION 2: PROJECT REPORT I

Time	No.	Presenter	Title
09:45 – 10:05	PJ-01	Assistant Prof. Qiuyu Cheng	Enhanced room-temperature ethanol sensing performance of belt-like VO_2 (B) compared with V_2O_5 nanofibers
10:05 – 10:25	PJ-02	Prof. Te-Wei Chiu	Rare-earth oxide/carbon nanocomposites for electrochemical detection of food contaminants

--- (Coffee Break) --- 10:25 – 10:45

Time	No.	Presenter	Title
10:45 – 11:05	PJ-03	Prof. Hsiu-Hui Chen	Molecular design and morphology control of photoresponsive liquid crystalline semiconductors for organic electronics
11:05 – 11:25	PJ-04	Prof. Takaaki Tomai	Development of sustainable electrochemical catalyst toward circular economy
11:25 – 11:45	PJ-05	Prof. Ying-Chu Chen	NiFe single and bimetallic nanoparticles supported on garlic-peel-derived porous carbon for efficient oxygen evolution reaction

(Group Photo)

--- (Lunch Time) --- 12:00 – 13:30

AFTERNOON SESSION 1: PROJECT REPORT II

Time	No.	Presenter	Title
13:30 – 13:50	PJ-06	Associate Prof. Jhe-Yu Lin	Feasibility of fabricating aluminum matrix composites via friction stir processing with Al-Cu-Fe quasicrystal particles
13:50 – 14:10	PJ-07	Associate Prof. Kazuhiro Nawa	Antiferromagnetic interactions in fluorinated pincer-type copper complexes
14:10 – 14:30	PJ-08	Prof. Ren-Jei Chung	Bifunctional dual z-scheme Bi_2MoO_6/MXene/Pt-gCN photocatalyst for antibiotic remediation and sustainable hydrogen evolution validated by DFT
14:30 – 14:50	PJ-09	Assistant Prof. Aki Shibata	Revealing structure-bioactivity relationships in functional organic nanomaterials

--- (Coffee Break) --- 14:50 – 15:10

AFTERNOON SESSION 2: KEYNOTE SPEECH II

(Chairperson Prof. Satoshi Kameoka)

Time	No.	Presenter	Title
15:10 – 15:40	KN-02	Associate Prof. Ryota Osuga	Engineering zeolite-based catalytic reaction fields for sustainable chemical production

AFTERNOON SESSION 3: PROJECT INTRODUCTION

Time	No.	Presenter	Title
15:40 – 16:00	PJ-10	Assistant Prof. Wei-Cheng Chen	Morphology, crystallinity, and interfacial structure of N-type conjugated polymer/perovskite quantum dot hybrid thin films for photosynaptic electronics
16:00 – 16:20	PJ-11	Prof. Maiko Nishibori	Multiscale structure and interface analysis of perovskite quantum dot/n-type conjugated polymer composite films for optical synapses via NanoTerasu
16:20 – 16:40	PJ-12	Assistant Prof. Balasubramanian Sriram	Hydrothermally leached Al_3TM–Rh (TM = Zr, V, Ce) intermetallics as efficient catalysts for carbon monoxide oxidation
16:40 – 17:00	PJ-13	Assistant Prof. Chung-Lun Yu	Catalyst design for hydrothermally leached Al-based intermetallic including quasicrystals and their crystalline approximants

CLOSING REMARKS: 17:05 – 17:15

NTUT Dean of ORD Prof. Ren-Jei Chung
& IMRAM Deputy Director Prof. Satoshi Okamoto

BANQUET: 19:00 – 21:00

@ Japanese Style Restaurant