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on Science & Technology

CIF



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September 3rd – 4th 2026
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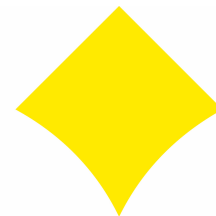
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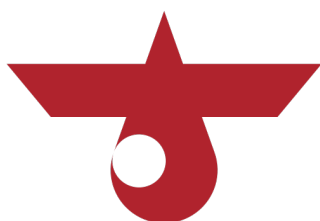


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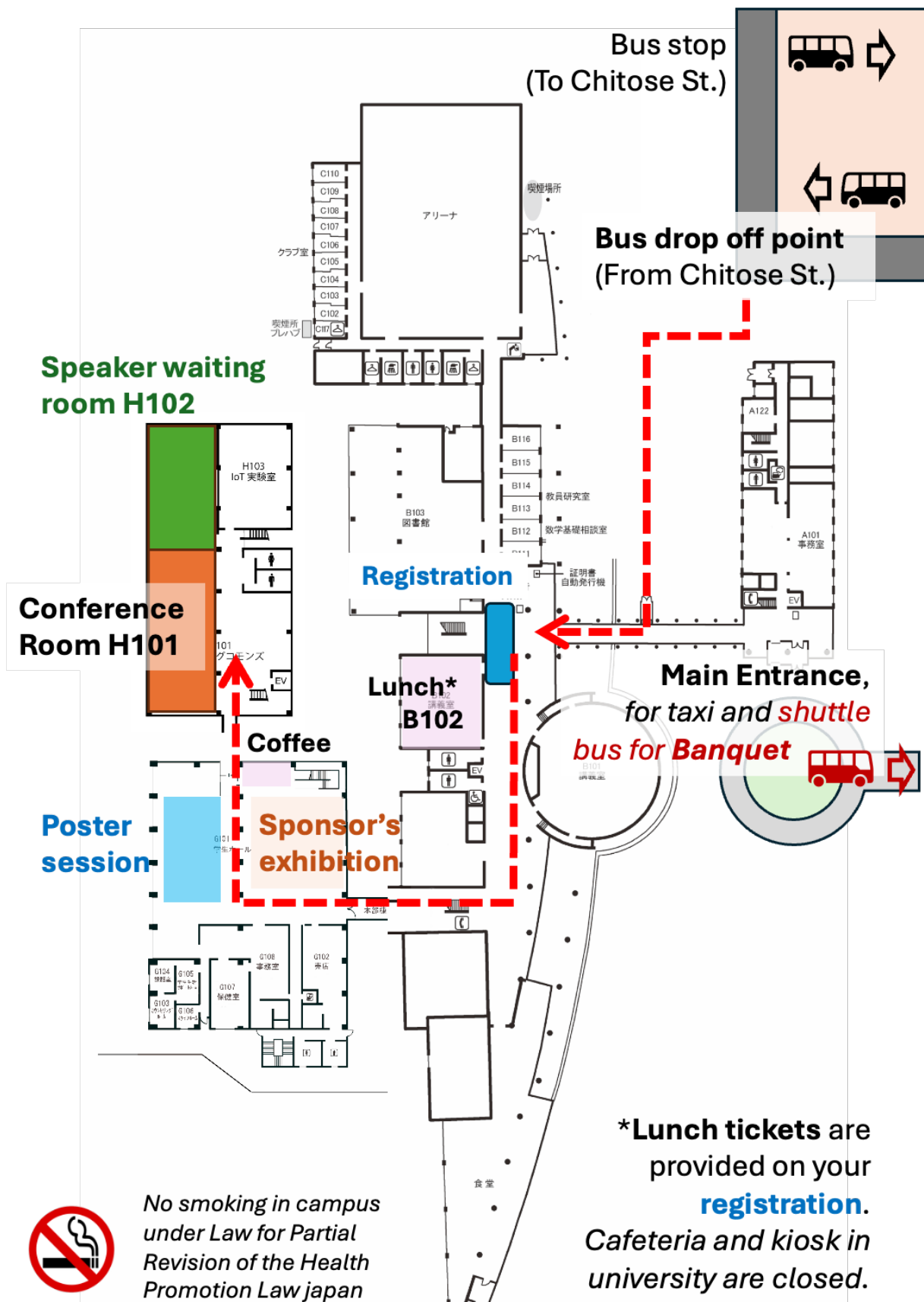


Photronics World Consortium (PWC)



**CHITOSE INSTITUTE OF
SCIENCE AND TECHNOLOGY**

Welcome to CIF26



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Award Committee

Chair: Shingo Yoshizawa, CIST, Japan

Program-at-a-Glance

Day 1 (Sept. 3rd)

9:30	Registration
10:00	Tutorial 1: Assoc. Prof. H. Yamakawa (CIST) <i>Beyond Coding: Empowering the Next Generation through Community-Supported Programming Education</i>
11:00	Tutorial 2: Prof. S. Hagihara (CIST) <i>Formalization and Verification of Security Properties in Security Protocols</i>
12:00	Lunch
13:00	Opening Remarks
13:15	Keynote Lecture 1: Dr. H. Akahori (Rapidus Corp.) <i>Beyond Smart Manufacturing: Co-Creating the Future of Semiconductor Production - The Rapidus Challenge</i>
14:00	Invited Talk 1: Prof. K. Nitta (Univ. of Aizu) <i>Video Coding Technologies and Hardware Implementation</i>
14:30	Invited Talk 2: Dr. S. Ishimura (KDDI Research Inc.) <i>Progress in Free-Space Optical Communications Using Photonic-Crystal Surface-Emitting Lasers</i>
15:00	Coffee break
15:15	Poster Session 1: (P01001 - P01023)
16:15	Regular 01: (R01)
16:30	Regular 02: (R02)
16:45	Regular 03: (R03)
17:00	Regular 04: (R04)
17:15	Regular 05: (R05)
17:30	Regular 06: (R06)
17:45	
19:00	Banquet @ Hotel Grand Terrace Chitose
21:00	

Day 2 (Sept. 4th)

9:00	Registration
9:30	Invited Talk 3 Prof. H. Hachiya (CIST / RIKEN AIP) <i>Deep Learning with Appearance-Geometry Inconsistency for Mirror Detection</i>
10:00	Invited Talk 4 Prof. B. Kurkoski (JAIST) <i>Hardware-Aware Information Theory: How to Design Better Decoders for Error-Correcting Codes</i>
10:30	Coffee break
10:45	Poster Session 2 (P02001 - P02023)
11:45	Lunch
12:45	Keynote Lecture 2: Dr. S. Matsuo (NTT Inc.) <i>Recent Progress and Future Directions in Photonics-Electronics Convergence for AI Interconnects</i>
13:30	Invited Talk 5: Prof. K. Oguchi (NTUST) <i>Bipedalism to SiPh: Several Perspectives on Technological Evolutions Around Us</i>
14:00	Invited Talk 6: Dist. Designer T. Ohno (NTT TechnoCross Corp.) <i>From Milliseconds to Decades: Designing Human-Artifact Interaction Across Timescales</i>
14:30	Coffee break
14:45	Poster Session 3: (P03001 - P03022)
15:45	Regular 07: (R07)
16:00	Regular 08: (R08)
16:15	Regular 09: (R09)
16:30	Regular 10: (R10)
16:45	Awards, Closing Remarks
17:00	

Banquet information

Date time: Sep. 3rd, 19:00

Location: Hotel Grand Terrace Chitose

Shuttle bus at **17:45, 18:05, 18:25** from **Main entrance** as depicted in Page 3.

Note

1. The Banquet is NOT INCLUDED in the registration fee. The ticket is provided within the badge. **Banquet tickets are sold out and cannot be purchased at the Registration Desk.**
2. After the banquet, free shuttle buses from hotel to Chitose st. are available. Please find time table of shuttle bus in Page 31.

Keynote Lectures

Sep. 3rd, 13:15

Keynote Lecture 1:

Beyond Smart Manufacturing: Co-Creating the Future of Semiconductor Production - The Rapidus Challenge

Dr. H. Akahori (Rapidus Corp.)

Sep. 3rd, 14:30

Keynote Lecture 2:

Recent Progress and Future Directions in Photonics-Electronics Convergence for AI Interconnects

Dr. S. Matsuo (NTT Inc.)

Invited Talks

Sep. 3rd, 14:00

Invited Talk 1:

Video Coding Technologies and Hardware Implementation

Prof. K. Nitta (Univ. of Aizu)

Sep. 3rd, 14:30

Invited Talk 2:

Progress in Free-Space Optical Communications Using Photonic-Crystal Surface-Emitting Lasers

Dr. S. Ishimura (KDDI Research Inc.)

Sep. 4th, 09:30

Invited Talk 3:

Deep Learning with Appearance-Geometry Inconsistency for Mirror Detection

Prof. H. Hachiya (CIST / RIKEN AIP)

Sep. 4th, 10:00

Invited Talk 4:

Hardware-Aware Information Theory: How to Design Better Decoders for Error-Correcting Codes

Prof. B. Kurkoski (JAIST)

Sep. 4th, 13:30

Invited Talk 5:

Bipedalism to SiPh: Several Perspectives on Technological Evolutions Around Us

Prof. K. Oguchi (NTUST)

Sep. 4th, 14:00

Invited Talk 6:

From Milliseconds to Decades: Designing Human-Artifact Interaction Across Timescales

Dist. Designer T. Ohno (NTT TechnoCross Corp.)

Regular Sessions

Sep. 3rd, 16:15

R01:

Duty-Ratio Feedforward Control for Light-Load Power Quality Improvement in Totem-Pole PFC Converters

Ita Ching-Ying Chen (Graduate Institute of Energy and Sustainability Technology, National Taiwan University of Science and Technology), Kuan-Chieh Lee (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology), Yu-Chen Chang (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology) and Huang-Jen Chiu (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology)

Sep. 3rd, 16:30

R02:

Design of a Double-Sided Two-Layer One-Dimensional Metasurface Isolator

H. Kudo (National Institute of Technology's Tomakomai College), M. Taniguchi (National Institute of Technology's Tomakomai College) and Y. Tsuji (Muroran Institute of Technology)

Sep. 3rd, 16:45

R03:

High-throughput analytical method for constructing solution phase diagrams of organic molecules

S. Watanabe (Tomakomai KOSEN), S. Masunaga (Kumamoto University) and M. Kunitake (Kumamoto University)

Sep. 3rd, 17:00

R04:

Synthesis of Zwitterionic Surface Ligands and Their Application to Nanoparticles

S. Takada (Chitose Institute of Science and Technology) and M. Wakizaka (Chitose Institute of Science and Technology)

Sep. 3rd, 17:15

R05:

Simulation-Based Analysis of Optical Performance Degradation during the Fabrication of Nested Antiresonant Nodeless Fiber

K. Shinno (Chitose Institute of Science and Technology) and N. Yoshimoto (Chitose Institute of Science and Technology)

Sep. 3rd, 17:30

R06:

Data Scraping, Copyright Liability, and AI Chip Development Strategy: A Comparative Study of Regulatory Approaches in Taiwan and Japan

H. CHIU (National Taiwan University of Science and Technology)

Sep. 4th, 15:45

R07:

A High-Performance 1.67 GHz Eigen-Value Decomposition Core Using Coordinate Rotation Digital Computer and Systolic Array in 16nm FinFET Technology

Wei-Shiang Lin (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology) and Hsuan-Kai Lin (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 16:00

R08:

Structural Control of Photoluminescence Enhancement in Ag/Dielectric/Ag Nanocavities

S. Takahashi (Kitami Institute of Technology), K. Kanemitsu (Kitami Institute of Technology), T. Kiba (Kitami Institute of Technology), P. Sheng (Kitami Institute of Technology) and M. Kawamura (Kitami Institute of Technology)

Sep. 4th, 16:15

R09:

Structural Analysis of Poly(phenylacetylene)s Bearing Oligopeptide Side Chains

Y. Sato (Chitose Institute of Science and Technology), T. Matsuo (Chitose Institute of Science and Technology) and K. Okoshi (Chitose Institute of Science and Technology)

Sep. 4th, 16:30

R10:

The Intersection of Information Technology and Semiconductor Device Research

H. Fukuda (Chitose Silicon Research Center, Chitose Institute of Science and Technology)

Poster Sessions

Sep. 3rd, 15:15

P01001:

Fuzzy-Shaped Falcon: Social Navigation with a Fuzzy-Shaped Social Reward

Bo-Yu Yi (Graduate Institute of A.I. Cross-disciplinary Technology, National Taiwan University of Science and Technology)

Sep. 3rd, 15:15

P01002:

Investigation on Estimation Parameters for Analysis of Removal Process of Biofilm Based on Light Scattering Patterns

N. Yokoi (Chitose Institute of Science and Technology) and Y. Aizu (Muroran Institute of Technology)

Sep. 3rd, 15:15

P01003:

Construction of a Home-Built Beam Profiler for measuring NFP of POFs

R. Yokoyama (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01004:

A 24-Dimensional Machine-Learning-Guided Floorplanner for the ICCAD 2026 FloorSet Challenge

Pei-Chieh Hu (Graduate Institute of Advanced Semiconductor Technology, National Taiwan University of Science and Technology)

Sep. 3rd, 15:15

P01005:

Preparation and Characterization of Cellulose Nanomaterials Derived from Rice Husks and Tomato Stems

Y. Seino (National Institute of Technology, Tomakomai College), T. Okada (National Institute of Technology, Tomakomai College), R. Kisimoto (National Institute of Technology, Tomakomai College) and H. Kono (National Institute of Technology, Tomakomai College)

Sep. 3rd, 15:15

P01006:**Synthesis of Vinylidenecyclopropanes via Copper-Catalyzed Cyclopropanation of Vinyl Arenes**

Y. Shimoji (Chitose Institute of Science and Technology) and Y. Horino (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01007:**Accelerating the Discovery of Multiferroic Materials via a Multiscale Informatics Framework**

Jie-En Yang (Department of Materials Science and Engineering, National Taiwan University of Science and Technology) and Che-Min Lin (Department of Materials Science and Engineering, National Taiwan University of Science and Technology)

Sep. 3rd, 15:15

P01008:**Phytoantispins Produced by Soft Rot Broccoli**

A. Makino (Chitose Institute of Science and Technology), K. Okoshi (Chitose Institute of Science and Technology), H. Sakata (Chitose Institute of Science and Technology) and S. Nagaoka (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01009:**Formation of Unique Structure Expressed in Coil-Rod-CoilBlock Copolymers**

T. Nagano (Department of Applied Chemistry and Bioscience, Chitose Institute of Science and Technology,) and K. Okoshi (Department of Applied Chemistry and Bioscience, Chitose Institute of Science and Technology,)

Sep. 3rd, 15:15

P01010:**Synergistic MPTMS/DDAB Passivation for Stable Red Light Emitting CsPbI₃ Perovskite Quantum Dots via Ligand Engineering**

G.T. Chen (Department of Materials Science and Engineering, National Taiwan University of Science and Technology), L.W. Liang (Department of Materials Science and Engineering, National Taiwan University of

Science and Technology) and M.L. Tsai (Department of Materials Science and Engineering, National Taiwan University of Science and Technology)

Sep. 3rd, 15:15

P01011:

Audio Steganography Focused on Instruction Words

T. Mori (Chitose Institute of Science and Technology) and H. Fukuda (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01012:

Evaluation of a Single-Camera Multi-View Imaging Mechanism Using BCON Booms

T. Iizuka (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01013:

Do Time-Series Foundation Models Pay Off for Industrial Monitoring? A Cost-Aware Empirical Study

Guan-Hua Wen (Department of Computer Science and Information Engineering, National Taiwan University of Science and Technology) and Kuan-Yu Chen (Department of Computer Science and Information Engineering, National Taiwan University of Science and Technology)

Sep. 3rd, 15:15

P01014:

Cross-Piece Pianist Identification Using Inter-Note Pause and Rubato Features

K. Noto (National Institute of Technology, Hakodate College)

Sep. 3rd, 15:15

P01015:

Direct Measurement and Characterization of Interference-Induced Voltages in a Pseudo-Pacemaker at Frequencies Considered for Beam-Type Wireless Power Transfer

T. Ogawa (Graduate School of Information Science and Technology, Hokkaido University) and T. Hikage (Graduate School of Information Science and Technology, Hokkaido University)

Sep. 3rd, 15:15

P01016:**Toward Trustworthy AI-Driven Network Security: An LLM-Assisted Framework for Anomaly Detection with Blockchain-Anchored Auditability**

Yu-Fang Tsao (Graduate Institute of Information Management, National Taiwan University of Science and Technology)

Sep. 3rd, 15:15

P01017:**Optimal Structural Parameters for Double-Nested Anti-Resonant Nodeless Fiber**

T. Kobayashi (Chitose Institute of Science and Technology) and N. Karasawa (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01018:**RGB-D-Based Analysis of Upper-Limb Kinematics Associated with Endoscope Insertion-Tube Configuration**

S. Takata (Chitose Institute of Science and Technology), H. Aoki (Chitose Institute of Science and Technology) and S. Miyamoto (Sapporo Medical University)

Sep. 3rd, 15:15

P01019:**Crystal Polymorphism and Thermally Induced Solid-State Transition of the ESIPT Fluorophore 2-(2'-hydroxy-5phenylphenyl)benzothiazole**

M. Ishigami (Chitose Institute of Science and Technology), K. Sakai (Chitose Institute of Science and Technology) and T. Akutagawa (IMRAM, Tohoku University)

Sep. 3rd, 15:15

P01020:**An Approach to Torque Sensing of Elastic Double Tendon Drive Joint**

R. Arakawa (Chitose Institute of Science and Technology) and N. Oda (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01021:

Creativity and Subjective Experience in Indoor and Outdoor Views of Virtual Nature

H. Ito (Graduate School of Science and Technology, Chitose Institute of Science and Technology), I. Yoshida (Graduate School of Science and Technology, Chitose Institute of Science and Technology) and D. Kobayashi (Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01022:

The Explainability and Extrapolation Applicability of AI Responses

k. ichikawa (Department of Information Systems Engineering, Faculty of Science and Technology, Chitose Institute of Science and Technology) and H. Fukuda (Department of Information Systems Engineering, Faculty of Science and Technology, Chitose Institute of Science and Technology)

Sep. 3rd, 15:15

P01023:

Sterilization Effect of deep ultraviolet laser light at 222 nm

Y. Terashima (Chitose Institute of Science and Technology), D. Matsui (Chitose Institute of Science and Technology) and N. Umemura (Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02001:

Machine Learning for Advanced Semiconductor Manufacturing: A Review of Defect Detection, Virtual Metrology, and Yield Optimization

Bo-Wei Li (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 10:45

P02002:

Mode Field Diameter Enlargement Using a Hole-Assisted Single-Mode Optical Fiber with Low Relative Refractive Index Difference

K. Omoto (NTT, Inc.), A. Kiuchi (NTT, Inc.), N. Hanzawa (NTT, Inc.), T. Matsui (NTT, Inc.) and K. Nakajima (NTT, Inc.)

Sep. 4th, 10:45

P02003:

Chitosan Coating Induces Structural Changes and Antimicrobial Activity in Nanofibrillated Bacterial Cellulose

Y. TANAKA (National Institute of Technology, Tomakomai College), Y. Sogame (National Institute of Technology, Fukushima College), M. Okajima (National Institute of Technology, Tomakomai College), M. Ogata (Graduate School of Food and Agricultural Sciences, Fukushima University) and H. Kono (National Institute of Technology, Tomakomai College)

Sep. 4th, 10:45

P02004:

DDPG-Based Three-Phase Unbalance Compensation in a Microgrid

Chi-Yueh Tung (Department of Electrical Engineering, National Taiwan University of Science and Technology) and Chien-Kuo Chang (Department of Electrical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 10:45

P02005:

ESR Study of Charge Density-Dependent Selective Radical Scavenging by Carboxymethyl Cellulose

K. Sasa (National Institute of Technology, Tomakomai College), K. Nishimaki (National Institute of Technology, Tomakomai College), Y. Tanaka (Graduate School of Food and Agricultural Sciences, Fukushima University), M. Ogata (Graduate School of Food and Agricultural Sciences, Fukushima University) and H. Kono (National Institute of Technology, Tomakomai College)

Sep. 4th, 10:45

P02006:

Basic Study on Outdoor Sound Propagation Analysis using ADVENTURE_Sound

Y. Maeda (National Institute of Technology, Tomakomai College), M. Taniguchi (National Institute of Technology, Tomakomai College), A. Kudo (National Institute of Technology, Tomakomai College) and A. Takei (University of Miyazaki)

Sep. 4th, 10:45

P02007:

Circularly-Polarized Conical Beam Antenna

Wei-Hong Lai (Department of Electrical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 10:45

P02008:

Deposition of High-Quality Al Nanolayers onto MoS₂

h. Muranaka (Kitami Inst. Tech.), M. Kawamura (Kitami Inst. Tech.), N. P. Kobayashi (UCSC) and T. Kiba (Kitami Inst. Tech.)

Sep. 4th, 10:45

P02009:

Preparation of Gold Nanoparticle-Terminated Liquid Crystalline Poly(phenylacetylene) Hybrid Materials

H. Ninomiya (Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02010:

A 16-nm FinFET LNA with High-Pass Gain Shaping for Cryogenic Qubit Readout

Feng-Chun Hsieh (Department of Electrical Engineering, National Taiwan University of Science and Technology) and Hsiao-Chin Chen (Department of Electrical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 10:45

P02011:

Stabilizing LLM Outputs by Entropy-Based Kalman Filtering

H. Kitaura (Chitose Institute of Science and Technology) and H. Fukuda (Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02012:

Interfacial Binding by Carboxymethyl Cellulose in α -Cyclodextrin Pickering Emulsions

N. Fukazawa (National Institute of Technology, Tomakomai College), S. Hashimoto (National Institute of Technology, Tomakomai College), S. Sato (Graduate School of Food and Agricultural Sciences, Fukushima University), M. Tomotake (House Foods Group Inc.), M. Ogata (Graduate School of Food and Agricultural Sciences, Fukushima University, Institute of Fermentation Sciences, Fukushima University) and H. Kono (National Institute of Technology, Tomakomai College)

Sep. 4th, 10:45

P02013:

Does Prompt-Injection Detection Transfer Across Languages? Comparing Surface and Internal-State Detectors on Traditional Chinese and Code-Switched Input

Po-Han Chou (Department of Electrical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 10:45

P02014:

Development of a Compact Wireless Beacon Device for Horse Fly Monitoring

K. Nitta (Chitose Institute of Science and Technology), R. Nasu (Obihiro University of Agriculture and Veterinary Medicine), M. Murakami (Chitose Institute of Science and Technology), K. Inada (Chitose Institute of Science and Technology), R. Yago (Chitose Institute of Science and Technology), M. Saito (Institute of Science Tokyo), T. Yamada (Chitose Institute of Science and Technology), T. Tokuda (Institute of Science Tokyo), K. Suganuma (Obihiro University of Agriculture and Veterinary Medicine) and M. Haruta (Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02015:

Connection Stability Enhancement for Wi-Fi HaLow Networks via Mobile Robot Relay Node

T. Terai (Chitose Institute of Science and Technology), Y. Kuribayashi (Chitose Institute of Science and Technology), N. Yoshimoto (Chitose Institute of Science and Technology), H. Watanabe (ROS-SI Promotion Section SoftBank Corp) and G. Okamoto (ROS-SI Promotion Section SoftBank Corp)

Sep. 4th, 10:45

P02016:

Next-Generation Wide Bandgap Semiconductors for Sustainable Energy Systems: A Critical Life-Cycle Review

Cheng-Ren Peng (Department of Electronic and Computer Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 10:45

P02017:**Growth Mechanism of Ag Nanostructures Fabricated by Low-Temperature RF Magnetron Sputtering**

H. Shibata (Kitami Inst. Tech.), M. Kawamura (Kitami Inst. Tech.) and T. Kiba (Kitami Inst. Tech.)

Sep. 4th, 10:45

P02018:**Cross-linked CNC/PVA film with anti-fouling properties against Barnacle**

S. Sugawara (Graduate School of Science and Technology, Chitose Institute of Science and Technology), S. Asano (Graduate School of Science and Technology, Chitose Institute of Science and Technology), Y. Nogata (Central Research Institute of Electric Power Industry) and Y. Hirai (Faculty of Science and Technology, Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02019:**Wideband Rectifier Circuit for Chirp-Based SWIPT Systems Using Broadband Matching Networks**

M. Nakatsugawa (National Institute of Technology, Hakodate College), C. Wakayama (National Institute of Technology, Hakodate College) and H. Uehara (Toyohashi University of Technology)

Sep. 4th, 10:45

P02020:**A Proposal of Lateral Motion Generation for Biped Robot Based on Image-based Visual Servo**

S. Fujii (Chitose Institute of Science and Technology) and N. Oda (Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02021:**A novel controlled drug release system based on nanostructured silica particles. For dental / medical applications**

S. ABE (Kitami Institute of Technology), Y. HU (Nagasaki Univ.), L. Sheng (Nagasaki Univ.), T. Ge (Nagasaki Univ.), Q. Yin (Nagasaki Univ.), J. Zhu (Nagasaki Univ.), A. Valanezhad (Nagasaki Univ.), A. Hyono (National Institute of Technology, Asahikawa college), K. Nakanishi (Hokkaido Univ.), Y. Era (Saitama Prefectural Univ.), K. Nakamura (Hokkaido Univ.), S. ABE (Nagasaki Univ., Kitami Institute of Technology), M. Nakamura (Kyushu Univ. of Medical Science) and I. Watanabe (Nagasaki Univ.)

Sep. 4th, 10:45

P02022:**Development and Evaluation of an AoA Error Prediction Model for BLE Tag Direction Search**

H. Morohashi (Chitose Institute of Science and Technology), Y. Takahashi (Chitose Institute of Science and Technology) and T. Yamada (Chitose Institute of Science and Technology)

Sep. 4th, 10:45

P02023:**Phase-matching angles of LBO in the vacuum-ultraviolet region**

Y. Miyake (Chitose Institute of Science and Technology) and N. Umemura (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03001:**Graph Neural Network-Based Node-Level Hardware Trojan Detection for Gate-Level Netlists**

C.W.Chang (Department of Electrical Engineering, National Taiwan University of Science and Technology) and B.Y.Ling (Department of Electrical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 14:45

P03002:**Gold(I)-Catalyzed Allylation of Ethynyl Cyclic Carbonates with Allylsilanes**

M. Ikeda (Chitose Institute of Science and Technology) and Y. Horino (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03003:**Preliminary Validation of Non-Contact Cardiac-Cycle Detection Using Local Phase Differences in IR Images Acquired with a RealSense D435f**

W. Sato (Chitose Institute of Science and Technology) and H. Aoki (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03004:**A RAG-Based Interactive System for Learning Assistance and Emotional Support among Junior High School Students**

S.Y. Sun (Department of Management Undergraduate Program, National Taiwan University of Science and Technology), Y.C. Wu (Department of Industrial Management, National Taiwan University of Science and Technology) and C.S. Hu (Department of Industrial Management, National Taiwan University of Science and Technology)

Sep. 4th, 14:45

P03005:**Evaluation of EtherCAT Device Behavior Using FPGA-Based Jitter Injection into Frame Transmission Cycles**

K. Ishikubo (Chitose Institute of Science and Technology) and T. Yamada (Chitose Institute of Science and Technology, Silicon Research Center)

Sep. 4th, 14:45

P03006:**A Novel Concept for Mode Scrambling for Plastic Optical Fibers**

S. Niki (Chitose Institute of Science and Technology, Eguchi Laboratory, Faculty of Engineering,)

Sep. 4th, 14:45

P03007:**Leveraging Digital Frontiers for Green Hardware: A Case Study on Social Media Communication Strategies for Eco-Friendly Storage Devices**

Tzu-Yu Liu (Department of Management Undergraduate Program, National Taiwan University of Science and Technology)

Sep. 4th, 14:45

P03008:**Evaluation of the Biodegradability of Chitin/Chitosan Materials in a Natural Marine Environment**

R. Oishi (Chitose Institute of Science and Technology, Grad. Sch. Sci. Tech.), A. Mizuyama (Chitose Institute of Science and Technology, Grad. Sch. Sci. Tech.), T. Suzuki (Chitose Institute of Science and Technology, Grad. Sch. Sci. Tech.), S. Kawamura (Chitose Institute of Science and Technology, Fac. Sci. Tech.) and O. Karthaus (Chitose Institute of Science and Technology, Grad. Sch. Sci. Tech.)

Sep. 4th, 14:45

P03009:**Solid State Structure of Coil-Rod Block Copolymers**

H. Yoshihara (Chitose Institute of Science and Technology) and K. Okoshi (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03010:**Energy-Aware Dynamic Weight Adjustment for Centralized Multi-Robot Task Allocation**

Y. D. Sung (Department of Mechanical Engineering, National Taiwan University of Science and Technology) and C. W. Chung (Department of Mechanical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 14:45

P03011:**Effect of Bending-Induced Optical Anisotropy on the Loss Response of a Hetero-Core Plastic Optical Fiber**

K. Yokouchi (National Institute of Technology, Tomakomai College) and S. Watanabe (National Institute of Technology, Tomakomai College)

Sep. 4th, 14:45

P03012:**Stimulated Raman Scattering Suppressed Low-Loss High-Power Fiber Cable**

Y. Fujii (Chitose Institute of Science and Technology), T. Suda (Photonic Science Technology Inc.), N. Karasawa (Chitose Institute of Science and Technology), N. Yoshimoto (Chitose Institute of Science and Technology) and S. Kobayashi (Photonic Science Technology Inc.)

Sep. 4th, 14:45

P03013:**A Low-Cost Vision-Based Multi-Robot Collection System with Orientation-Aware ETA Task Allocation**

Jun-Yan Chen (Department of Mechanical Engineering, National Taiwan University of Science and Technology), Hung-Wei Chung (Department of Mechanical Engineering, National Taiwan University of Science and Technology), Ping-Wei Hsieh (Department of Mechanical Engineering, National Taiwan University of Science and Technology), Yu-Hao Liu (Department of Mechanical Engineering, National Taiwan University of Science and Technology) and Ching-Wei Chuang (Department of Mechanical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 14:45

P03014:**Fabrication of Ta Thin Films Sputtered using Ar or Kr Gas**

Y. Fujitani (Kitami Inst. of Technol.), M. Kawamura (Kitami Inst. of Technol.) and T. Kiba (Kitami Inst. of Technol.)

Sep. 4th, 14:45

P03015:**A Continuous Image Transmission Method under Wi-Fi HaLow Duty-Cycle Restrictions for Fixed-Point Remote Monitoring**

Y. Kuribayashi (Chitose Institute of Science and Technology), T. Terai (Chitose Institute of Science and Technology) and N. Yoshimoto (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03016:**Optimization of MIM Folding Hinge Mechanisms Using Continuous Sinusoidal Wavy Structures to Mitigate Stress Concentration and Powder-Binder Separation**

Y. A. YANG (Department of Mechanical Engineering, National Taiwan University of Science and Technology) and C. C. Chen (Department of Mechanical Engineering, National Taiwan University of Science and Technology)

Sep. 4th, 14:45

P03017:

Supporting Eyes Free Smartphone Screen Reader Interaction with a Functional Haptic Surface

T. Aoki (Graduate School of Science and Technology, Chitose Institute of Science and Technology) and D. Kobayashi (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03018:

Object Authentication Using Near-Field Communication and Short-Range Wireless Technology

R. Kawanisi (Department of Information System Engineering, Chitose Institute of Science and Technology) and H. Fukuda (Department of Information System Engineering, Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03019:

Effect of MWCNT Doping on the Temperature-dependent Adhesive Properties of Thermoresponsive Copolymers

S. Ono (Chitose Institute of Science and Technology), O. Karthaus (Chitose Institute of Science and Technology), K. Okoshi (Chitose Institute of Science and Technology), K. Kawano (Chitose Institute of Science and Technology) and T. Takada (Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03020:

Effects of Onboard Information Services on Passenger Experience and Social Acceptability of Autonomous Buses

Y. Ichihashi (Graduate School of Science and Technology, Chitose Institute of Science and Technology)

Sep. 4th, 14:45

P03021:

Optical Response and Spacer-Layer Effect on Photoluminescence Enhancement in Ag Nanocube-Mirror Structures

Y. Imai (Kitami Institute of Technology), T. Kiba (Kitami Institute of Technology) and M. Kawamura (Kitami Institute of Technology)

Sep. 4th, 14:45

P03022:

Towards Reducing Cost of Fingerprint Database for RSSI Indoor Localization Techniques

T. Nishino (Chitose Institute of Science and Technology), R. Muraguchi (NTT DoCoMo), Y. Takano (Chitose Institute of Science and Technology), H. Su (National Taiwan University), Y. Shiraishi (Kobe University) and S. Hagihara (Chitose Institute of Science and Technology)

Tutorials (Room H101)

Sep. 3rd, 10:00

Tutorial 1:

Beyond Coding: Empowering the Next Generation through Community-Supported Programming Education

Assoc. Prof. H. Yamakawa (CIST)

Sep. 3rd, 11:00

Tutorial 2:

Formalization and Verification of Security Properties in Security Protocols

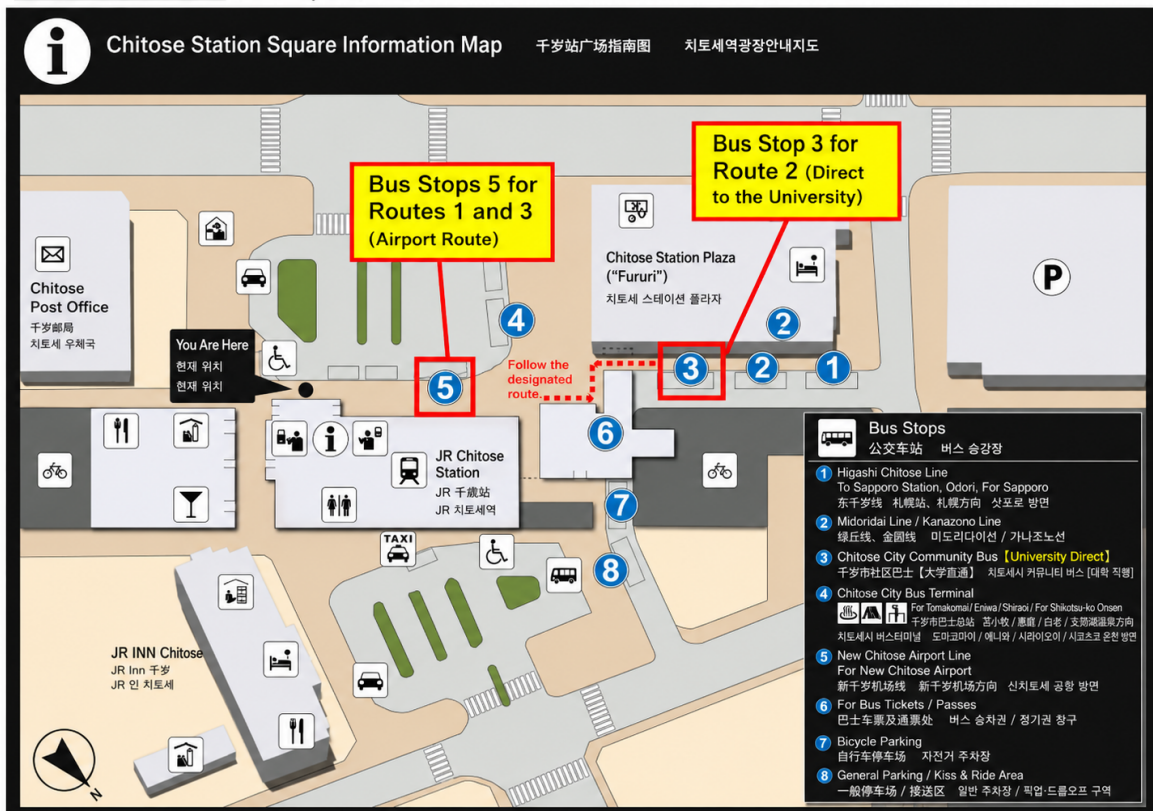
Prof. S. Hagihara (CIST)

ACCESS



Bus Stops

Chitose Station (From April 1, 2026)



Bus Timetable (Day1, Sep. 3rd)

Bus Schedule

Time shown in red: via airport

[illegible]

Bus Timetable (Day2, Sep. 4th)

Bus Schedule

Time shown in red: via airport

DAY2		City Bus			
Time	CIF26 Session	Station→Campus		Campus→Station	
		Chitose Station	Campus	Campus	Chitose Station
7:15		7:20	7:45		
7:30					
7:45					
8:00		8:10	8:31		
8:15					
8:30		8:40	9:01		
8:45					
9:00	Registration	9:10	9:31		
9:15					
9:30	Invited Talk 3				
9:45		9:50	10:11		
10:00	Invited Talk 4				
10:15					
10:30	Coffee Break	10:30	10:55		
10:45	Poster Session 2				
11:00		11:00	11:25		
11:15					
11:30		11:29	11:54	11:36	12:02
11:45	Lunch				
12:00		12:05	12:30		
12:15		12:29	12:54	12:32	12:54
12:30				12:42	13:08
12:45	Keynote Lecture 2				
13:00					
13:15		13:20	13:45		
13:30	Invited Talk 5			13:35	14:01
13:45					
14:00	Invited Talk 6				
14:15		14:29	14:54		
14:30	Coffee Break			14:32	14:58
14:45	Poster Session 3				
15:00					
15:15				15:24	15:50
15:30					
15:45	Regular #07				
16:00	Regular #08	16:00	16:21		
16:15	Regular #09				
16:30	Regular #10				
16:45	Awards, Closing Remarks			16:47	17:13
17:00					
17:15					
17:30				17:32	17:54
17:45				17:52	18:18
18:00		18:00	18:21		
18:15					
18:30					
18:45					
19:00				19:02	19:28
19:15					
19:30				19:42	20:08
19:45					
20:00					
20:15					
20:30				20:32	21:00
20:45					
21:00					
21:15				21:22	21:48
21:30					
21:45					
22:00					