

Poster Presenters List

[On-demand Poster]

RIEC : Research Institute of Electrical Communication, Tohoku University

No.	Grant No.	Title	Presenter	Affiliated Institution	Keywords
D-1	R02/A01	Asymmetric dual grating graphene Field effect transistor for terahertz detection	Yahya Moubarak Meziani	Salamanca Univ.	terahertz / graphene / transistor / detection
D-2	R02/A16	Study on development of millimeter wave antenna using 3D printer	ITOH Keiichi	NIT-Akita	Millimeter wave / 3D printer / Plating / Optimization
D-3	R02/A19	A Bonding Technique for Electronic Circuit Using Conductive Transfer Foil	MANABE Hiroyuki, SUZUKI Tomohito	Shibaura Inst. of Technology	Fabrication / electronic circuit / soldering / 3D printer
D-4	R02/A21	A method to make Ear-canal microphone based on three dimensional shape of pinna.	ITO Masashi	Tohoku Inst. of Technology	Intelligent System
D-5	R02/A22	Emotion analysis of Thai language sentences using deep learning	ZABIR Salahuddin Muhammad Salim	NIT-Tsuruoka	Machine Learning / Artificial Intelligence / Social Media / IoT
D-6	R02/A24	Investigating cultural issues for the design of touch-based interactive DFLIP photo management system	Thippaya CHINTAKOVID	Chulalongkorn Univ.	Interactive Content / elderly / usability / Thailand
D-7	R02/A25	Multimodal Data Flow Processing Platform for Enhancing Human Abilities	MINENO Hiroshi	Shizuoka Univ.	IoT / Data flow processing platform / Multimodal data / Enhancing human abilities
D-8	R03/A04	Development of Air Plasma Device for Selective Reactive Species Supply and Its Applications	KANEKO Toshiro, TAKASHIMA Keisuke, SASAKI Shota	Tohoku Univ.	Plasma / Sustainable Society / Future Medicine and Drug Discovery / Sustainable Farming
D-9	R03/A05	Heusler magnetic Weyl semimetal :Toward a voltage-controlled non-volatile magnetic memory	1)CHIBA Takahiro, 2)TSUJIKAWA Masahito	1)NIT-Fukushima, 2)RIEC	Spintronics / magnetic materials / magnetic memory / energy-saving technology
D-10	R03/A07	Stable-excited states in graphene nanoribbon quantum dot	KATO Toshiaki	Tohoku Univ.	Plasma CVD / Graphene / Quantum dot / Excited states
D-11	R03/A09	Research of on-chip THz array antenna for ultra-wideband communication	1)KANAYA Haruichi, KIM ryeong, 2)SUEMATSU Noriharu	1)Kyushu Univ., 2)RIEC	Array antenna / THz / Ultra-wideband / telecommunication
D-12	R03/A10	Experimental characterization of resonant tunneling chaos generator circuits in microwave frequency range	1)MAEZAWA Koichi, Umer Farooq, MORI Masayu, 2)ANDOH Hiroya, 3)OTSUJI Taiichi	1)Univ. of Toyama, 2)NIT-Toyota, 3)RIEC	Resonant tunneling diode / Chaos / Microwave / Lyapunov exponent
D-13	R03/A14	Mixed Reality for IoT and Robotics: Opportunities and Challenges for Immersive Human-Robot Interaction	SUAUKI Ryo	Univ. of Calgary	AR / Robots / IoT
D-14	R03/A15	Reconfigurable Head-Mounted Displays Enabling Real-world Interactions	KITAMURA Yoshifumi	RIEC	(TBD)
D-15	R03/A17	The effect of position criteria on judgments of lateralization and out-of-head localization of sound image	MORIKAWA Daisuke, KAMURA Kyoshiro	Toyama Pref. Univ.	Spatial Acoustics / Hearing / Interaural Time Difference / Interaural Level Difference
D-16	R03/A27	Investigation of contactless power transmission in a long distance	ISHITANI Tetsushi, ITO Shinnosuke, FURUHASHI Taisei, INAMORI Mamiko	Tokai Univ.	smart society
D-17	R03/A30	Influence of whole-body vibration synthesized from acoustic features on presence and verisimilitude	1)CUI Zhenglie, 2)ABE Shota, SAKAMOTO Shuichi, 3)SUZUKI Yōiti	1)Aichi Univ. of Technology, 2)RIEC, 3)Tohoku Bunka Gakuen Univ.	Multimodal information / Perceived Reality / Whole-body Vibration / Synthesis of Vibration
D-18	R04/A03	Japan-Russia International collaborative research on boosting a performance of a large-area THz photoconductive emitter	Dmitry Ponomarev	Inst. of Ultra-High Frequency Semiconductor Electronics of RAS	large-area THz emitter / photoconductive antenna / photocarrier dynamics / time-domain spectroscopy
D-19	R04/A05	Terahertz wave absorption in MoS ₂ /Graphene heterostructures	Amine El Moutaouakil	UAE Univ.	Graphene; MoS ₂ / Terahertz / Absorption / Heterostructure
D-20	R04/A07	An investigation on development of electromagnetic noise suppressors using machine learning	MUROGA Sho	Akita Univ.	electromagnetic noise suppressor / Magnetic film / Magnetic circuit / Machine learning
D-21	R04/A11	Fabrication and evaluation of transmission line TEGs on diamond	MASUMURA Tadashi	Hokkaido Univ.	Diamond / Radio Frequency / Transmission Line
D-22	R04/A13	Exploring and Designing Interactions for VR Headsets using Smartphone Interfaces	1)BOUSTILA Sabah, 2)TAKASHIMA Kazuki	1)Manchester Metropolitan Univ. 2)RIEC	Virtual reality / Head-mounted display / User interface / Smartphone interface
D-23	R04/A15	Estimation of students' learning state by using facial expression	1)WANG Guan-yun, NAGATA Hikaru, 1,2)HATORI Yasuhiro, 1)SATO Yoshiyuki, 1,2)TSENG Chia-huei, SHIOIRI Satoshi	1)Tohoku Univ. 2)RIEC	Machine Learning / Facial Expression / Classification, Action Units Codes
D-24	R02/B14	Curvature detector adaptation model accounting shape distortion illusion	SAKURAI Kenzo	Tohoku Gakuin Univ.	Visual Illusion / Adaptation / Model
D-25	R03/B08	Attempts to train simple Convolutional Neural Networks with Particle Swarm Optimization	JIN'NO Kenya	Tokyo City Univ.	Neural Networks / Auto Encoder / Expression Learning / Latent Variables
D-26	R03/B11	An Investigation of imagery properties of aphantasia: multi-sensory imagery and cognitive style	1)TAKAHASHI Junichi, 2)SAITO Godai, 3)OMURA Kazufumi, 4)YASUNAGA Daichi, 5)SUGIMURA Shinichiro, 6)SAKAMOTO Shuichi, 7)HORIKAWA Tomoyasu, 8)GYOBA Jiro	1)Fukushima Univ., 2)Tohoku Univ., 3)Yamagata Univ., 4)Kanazawa Univ., 5)Hiroshima Univ., 6)RIEC, 7)Nippon Telegraph and Telephone Corp., 8)Shokei Gakuin Univ.	Mental imagery / Vividness / Multi-sensory imagery / Cognitive style
D-27	R04/B03	Nanomaterial fabrication in the innovative gas-phase processes and and high-performance device applications	UCHIDA Giichiro	Meijo Univ.	Semiconductor nanomaterials / Energy materials / battery applications / Carbon neutral
D-28	R04/B10	Application study using microwave and laser SAR	1)KOGI Yuichiro, 2)IKEZI Hiroyuki, 3)MASE Atsushi, 4)INUTAKE Masaaki	1)Fukuoka Inst. Of Technology, 2)ex-Kyushu Univ. 3)Kyushu Univ., 4)Tohoku Univ.	Radar / Laser / Remote Sensing / Disaster Surveillance
D-29	R03/SI01	Robot partners are as good as humans: partner-advantage in an implicit shape-matching task	1)Su-Ling Yeh, Ti-fan Hung, 2)Chiahuei TsengS	1)National Taiwan Univ., 2)RIEC	Smart Society
D-30	R04/T03	Fundamentals and Applications of Non-Equilibrium Plasma Phenomena	KANEKO Toshiro, ANDO Akira, KATO Toshiaki, TAKAHASHI Kazunori, TAKASHIMA Keisuke, SASAKI Shota	Tohoku Univ.	Plasma Energy Science / Plasma Life Science / Plasma Propulsion Science
D-31	T04/T05	A Basic Study on Estimation of Stride Length for Abnormal Gait Using a Lower Leg Inertial Sensor	HASEGAWA Sanayuki, AKATSUKA Kanta, WATANABE Takashi	Tohoku Univ.	Biomedical Engineering / Inertial Sensor / Rehabilitation / Lower Limb Paralysis
D-32	Tohoku Univ.	CIES consortium	ENDO H Tetsuo	CIES	Integrated electronics / Spintronics / AI / Power Electronics
D-33	R02/A11	Single-crystal graphene functional device	NAGASE Masao	Tokushima Univ.	Nano-device/Graphene/Far-infrared emitter/Negative differential conductance