

No	Presentation ID	Name	Title
1	ED-P-1	Dongxu Wang	Frequency and coil structure dependent study of superconductor wireless power transfer performance
2	ED-P-2	Atsuro Yoshikawa	Fabrication of NdFeAs(O,H) nanostrips toward photon detector applications
3	ED-P-3	Tomoharu Yamauchi	Design and Implementation of Efficient Multi-Input Neuron Circuits Using Adiabatic Quantum-Flux-Parametron Logic
4	ED-P-4	Bunpei Masaoka	Vertical signal transmission in stacked substrates for superconducting quantum circuits
5	ED-P-5	Daiki Matsumaru	Fabrication and evaluation of a superconducting shield for operating a Josephson voltage standard device in a high magnetic field
6	AP-P-17	Fernando Solis Fernandez	RIA mitigation through photobleaching of radiation-resistant optical fibers
7	AP-P-3	Wenhao Li	Numerical Simulation of Optimal Design of HTS Magnetic Levitation Bearing Based on H- $\phi$ 3D Model
8	AP-P-4	Takuya Odani	Development of Magnetic Pickering Emulsion for Magnetic Drug Delivery Systems
9	AP-P-1	Adam Francis	Thermal pathway influence in JcB switched transformer rectifier flux pumps
10	AP-P-16	Bart Ludbrook	Fiber Optic Temperature Sensing in Superconducting Bus Bars and Field Coils of an AC Homopolar Machine
11	AP-P-7	Simona Hulačová	A comparative study of AC losses in striated HTS tapes
12	AP-P-8	Hiiragi Uegaki	Temperature dependence of coupling time constants of spiral copper-plated multifilament coated conductors
13	AP-P-9	Shunsuke Yanagisawa	Proposal of Simple Expressions to Estimate AC Losses in HTS Windings Located inside Iron Core Slots
14	AP-P-2	Kaiji Uriu	Electromagnetic design for high power density of fully superconducting synchronous motor with through-shaft type field coil for electric aircraft
15	AP-P-10	Kazuki SHIRAIISHI	Magnetic Influence of Leakage Fields Generated by Shaking Coils on Adjacent HTS Coils
16	AP-P-5	Keita Takahashi	The magnetic force field performance and its application on a desktop-type magnetic levitation device exploiting high-gradient superconducting bulk magnets
17	AP-P-12	Riki Sakakibara	Fast Numerical Inductance Computation for NI REBCO Pancake Coil PEEC Simulation with Fast Multipole Method
18	AP-P-19	Junyoung Park	Surface Discharge of Various Insulating Materials and Penetration Discharge Characteristics of Electrode Materials Under High Vacuum Conditions
19	AP-P-11	Kyeongdal CHOI	Magnetization loss analysis of twisted stacked tape cables with striated strands
20	AP-P-13	Haru Sato	Numerical Investigation on Current and Thermal Behaviors of NI REBCO Coils Wound With Many Bundled Tapes
21	AP-P-18	Shahna Haneef	Hot Spot Detection in a Current-carrying high temperature superconducting tape using an ultra-long Fiber Bragg Grating array
22	AP-P-6	Kota Nakamura	Estimation of Lateral Force for Attractive Magnetic Levitation System having HTS Bulk
23	AP-P-14	Soto Tanaka	Quench Protection Characteristics of HTS Coil Impregnated by Ionic Liquid
24	AP-P-15	Mohammad Yazdani-Asrami	Artificial Intelligence-Based Investigation on Critical Current Degradation of YBCO Tapes under Repetitive Overcurrent Cycling
25	AP-P-20	Xiyong Huang	Investigation of magnetic heat shielding using high-temperature superconductor technology
26	PC-P-4	Izumi HASE	Electronic Structure of ZrCuP2: Similarity with a superconductor ZrPSe
27	PC-P-14	Kenji Kawashima	Superconducting Properties in Ca-Free Cuprate with Double CuO <sub>2</sub> Layers
28	PC-P-5	Ryo Fukuoka	Superconducting and Topological Properties of Monoclinic NbTe <sub>2</sub> Single Crystals
29	PC-P-8	Soma HARAOKA	Magnetic field dependence of critical currents of cross-type Josephson junctions with inhomogeneous critical current density under oblique magnetic fields
30	PC-P-7	Akira Iyo	Na-catalyzed rapid synthesis and superconducting properties of intercalated graphite CaC <sub>6</sub>
31	PC-P-3	Grace Yue	Searching for the Sarma state in nonsymmorphic superconductors
32	PC-P-9	GAKU MATSUMOTO	Study of superconductivity and quantized vortices of thin Fe(Se,Te) films investigated by microwave complex conductivity measurements
33	PC-P-10	SHEN CHONG	Asymmetric magnetic hysteresis loops in FeSe <sub>1-x</sub> Te <sub>x</sub> single crystals
34	PC-P-2	Seiichiro Suga	Real-space analysis of superconducting states in a hole-doped extended Kitaev model
35	PC-P-12	Shungo Nakagawa	Phase diagram of Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub> + $\delta$ revisited from material point of view
36	PC-P-1	Yufei ZHU	Bound states around impurities in a superconducting bilayer
37	PC-P-11	Hellen Nalumaga	Studies of ferroelectric Ba <sub>0.8</sub> Sr <sub>0.2</sub> TiO <sub>3</sub> and cuprate La <sub>2-x</sub> Ba <sub>x</sub> CuO <sub>4</sub> thin films: towards the investigation of superconducting switching in oxide heterostructures
38	PC-P-13	Nozue Takahiro	Annealing and pressure effects in TI-based high-T <sub>c</sub> cuprate superconductors (TI-1212 and TI-1223)
39	PC-P-6	Tsuyoshi Imazu	Pairing symmetry of honeycomb network superconductor of BaPtSb/As with lack of inversion symmetry
40	WB-P-8	Tomonori Arita	Monte Carlo simulation study of BaMO <sub>3</sub> nanostructures in BMO-doped REBa <sub>2</sub> Cu <sub>3</sub> O <sub>y</sub> thin films prepared by Vapor-Liquid-Solid technique
41	WB-P-9	Masuda Hayato	Effect of increased mixing entropy and introduction of BMO <sub>3</sub> -type artificial pins on FF-MOD REBCO thin films with multi-element RE sites
42	WB-P-13	Jun Hyuk Choi	Enhanced electrical performance of MgB <sub>2</sub> superconducting wires achieved by pyrene carbon doping
43	WB-P-11	Ryota ISHII	Enhancement of critical current densities by co-doping with Zr, Hf, Sn and Ce for Gd <sub>123</sub> thin films fabricated by fluorine-free MOD method.
44	WB-P-4	Ayumi Nakato	Electromagnetic field analysis and performance improvement of SUAM model by using superconducting tape ribs
45	WB-P-6	Shun Miura	Influence of magnetic shields on current distributions among REBCO parallel conductors in single-phase armature windings
46	WB-P-5	Haruki Okubo	Evaluating compressive and tensile mechanical strain behaviors of a ring-shaped superconducting bulk reinforced by a metal ring: before and after field-cooled magnetization
47	WB-P-1	Mao Shigemasa	Evaluation of ac loss in SCSC cables operated at practical conditions using the experimental results at 77 K and the magnetic field up to 0.1 T
48	WB-P-7	Goki Kawasaki	Calculation on Current Distributions among Transposed 3- and 6-Parallel Conductors in Superconducting Armature Coils for Superconducting Synchronous Motors
49	WB-P-2	Justin Brooks	Numerical Modelling of the Voltage Generated in HTS Hollow Strips carrying DC Current due to an External Perpendicular AC Magnetic Field
50	WB-P-12	Chunyan Li	Investigation of the quench propagation properties of iron-based superconducting tapes with various sheath materials
51	WB-P-3	Yueming Sun	AC loss simulation in an HTS inductor filter of power electronic inverters and converters
52	WB-P-10	YUTAKA YOSHIOIDA	Improvement of superconducting properties of REBCO coated conductors doped with artificial pinning centers using high-speed growth technique.