Abstract ID	Presentation	NAME	Name of the Organization	Country	Title
Poster Session: Large scale cryogenics II & Accelerator Cryogenics II **Chairperson: Prof. Hirotaka Nakai & Prof. Tetsua Oka**					
152	9-P2-99	Mr. PRADIP PANCHAL	INSTITUTE FOR PLASMA RESEARCH	India	Process optimization of helium cryo plant operation for SST-1 superconducting magnet system
161	9-P2-100	Mr. Jitendra kumar	Bhabha Atomic Research Centre, India	India	Helium Refrigeration System for Hydrogen Liquefaction Applications
167	9-P2-101	Mr. BHIKHALAL SONANI	DR .S& S S GHANDHY COLLEGE OF ENGINEERING	India	Effect of Compressor Inlet Temperature & Relative Humidity on Air Liquefaction Cycle Performance
169	9-P2-102	Mr. Ashish Shukla	RRCAT	India	Cold box Vessel Design for Medium Scale Helium Liquefaction system
185	9-P2-103	Dr. Vitaliano Inglese	CERN	Switzerland	Commissioning results of CERN HIE-ISOLDE and INFN ALPI cryogenic control systems
238	9-P2-104	Mr. Linglong Lei	Technical Institude of Physics and Chemistry,CAS	China	Study of a multi-strategy controller on a helium liquefier
239A	9-P2-105	Dr. Jing LI	Technical Institude of Physics and Chemistry,CAS	China	Development of a Simulator for a 10kW@20K Helium Refrigerator Based on Siemens PLC S7-300
240	9-P2-106	Dr. Chul Jin Choi	Institute for Basic Science	Korea, South	Technical design of helium cryogenic plant and operation modes for SCL3 linac of RAON

243	9-P2-107	Mr. Yanrong Meng	University of Chinese Academy of Science	China	Optimization Design of a Small High-speed Radial-axial Flow Cryogenic Turbo-expander Impeller
259	9-P2-108	Mr. Olivier Pirotte	CERN	Switzerland	The consolidation programs of the cryogenic systems of the ATLAS and CMS experiments
261	9-P2-109	Dr. Wensheng Lin	Shanghai Jiao Tong University	China	Study on cold energy utilization at LCNG fueling stations
272	9-P2-110	Prof. SURAJ BEHERA	NIT Rourkela	India	A methodology for fabrication of 2nd generation gas foil thrust and journal bearing for turboexpander used in nitrogen liquefier
194	9-P2-111	Mr. Andrew Lees	CERN	Switzerland	Design and Optimisation of Low Heat Load Liquid Helium Cryostat to House Cryogenic Current Comparator in Antiproton Decelerator
219	9-P2-112	Mr. Sungwoon Yoon	Institute for Basic Science	Korea, South	Installation and commissioning of the 2K-system for the SRF test facility
252	9-P2-113	Mr. KI WOONG LEE	Institute for Basic Science	Korea, South	Thermal analysis of helium distribution system for the heavy ion accelerator (RAON)
253	9-P2-114	Mr. Siddhartha Ghosh	Variable Energy Cyclotron Centre	India	Analysis of flow parameter of cryogenic delivery system of superconducting electron linac
258	9-P2-115	Mr. Jaehee Shin	IBS(Institute for Basic Science)	Korea, South	Construction Status of a Cryogenic System for Testing Superconducting Cavities and Cryomodules of RAON

270	9-P2-116	Mr. Hemant Patel	Raja ramanna center for advance technology	India	Design of Movable Shield for the Vertical Test Stand Cryostat
271	9-P2-117	Mr. Anupam Sinha	BARC	India	Design and Development of Cryo-Module Test System For 1.3 GHz LCLS-II Cryomodule
313B	9-P2-118	Prof. Ralf Eichhorn	Cornell University	United States	Optimizing cryogenic parallel, single phase flows: an analytical approach
319	9-P2-119	Dr. Eric Smith	CLASSE, Cornell University	United States	Heat Exchanger Can Assembly for Provision of Helium Coolant Streams for Cryomodule Testing below 2K
Poster Session: Cryogenics for Fusion I & Space Cyogenics I **Chairperson: Dr. Christian Hoa & Dr. V. Narayanan**					
45	9-P2-120	Mr. RAKESHKUMAR PATEL	INSTITUTE FOR PLASMA RESEARCH	India	Installation and Commissioning of 80 K Liquid Nitrogen Booster System for SST-1
83	9-P2-121	Mr. Dikens Christian	Institute for Plasma Research	India	Operation and Maintenance Experience of Helium Compressor Motor for 1.3kW HRL Plant
84	9-P2-122	Mr. Gaurang Mahesuria	Institute for Plasma Research	India	Pump Characterization of 80 K Liquid Nitrogen Booster System for SST-1
85	9-P2-123	Mr. Atul Garg	Institute for Plasma Research	India	Performance of Superconducting Current Feeder System for SST-1
97	9-P2-124	Mr. Samiran Mukherjee	Institute for Plasma Research	India	CFD based thermo-hydraulic analysis of hydroformed cryopanel for liquid helium flow
283	9-P2-126	Dr. Jyoti shankar Mishra	Institute for plasma research	India	System for Adsorption Isotherm Studies of Porous Carbon Materials Down To 4.5 K

24	9-P2-127	Mrs. Geetha Sen	LPSC, ISRO	India	Design of equipment for cryotreatment of APX-4
58	9-P2-128	Mr. SUBRAHMANYA Mr.	ISRO Satellite Centre	India	On-orbit thermal performance of Imager cooler developed for INSAT-3D spacecraft
86	9-P2-129	Mr. Jayachandran K N	IIT Kharagpur	India	Numerical investigations on unstable direct contact condensation of cryogenic fluids
99	9-P2-130	Ms. Tisha Dixit	IIT Kharagpur	India	Prospective of employing high porosity open-cell metal foams in passive cryogenic radiators for space applications
102	9-P2-131	Mr. Xin Li	Technical Institute of Physics and Chemistry, CAS	China	Investigation of an adsorption refrigeration model with correlative experiments
103	9-P2-132	Prof. Pavitra Sandilya	Indian Institute of Technology Kharagpur	India	One-dimensional CFD analysis of subcooling of a cryogenic liquid by gas bubbling
125	9-P2-133	Mr. Arpit Mishra	Indian Institute of Technology Kharagpur	India	Effect of leading edge sweep on the performance of cavitating inducer of LOX booster turbopump used in semicryogenic engine
300A	9-P2-134	Dr. Upendra Behera	Indian Institute of Science	India	Studies on vortex tubes for cryogenic application
Poster Session: Cryocooler II **Chairperson: Prof. M.D. Atrey**					

132	9-P2-135	Dr. Parthasarathi Ghosh	Indian Institute of Technology Kharagpur	India	Performance analysis of cryocoolers based on reverse Brayton cycle and its modifications for cooling HTS devices
136	9-P2-136	Prof. Junjie Wang	Technical Institute of Physics and Chemistry, CAS	China	Numerical investigation of multi-bypass type pulse tube cryocooler
137	9-P2-137	Prof. Shridhar Bapat	Indian Institute of Technology Bombay	India	Design analysis of a Helium recondenser
144	9-P2-138	Mr. Si Liu	Technical Institute of Physics and Chemistry CAS	China	Studies of phase shifter on a precooling type pulse tube cryocooler
145	9-P2-139	Mr. Wu xianlin	Technical Institute of Physics and Chemistry CAS	China	Numerical simulation of a 5W/40K Stirling-type pulse tube cryocooler
210	9-P2-140	Mr. Kong Chunhui	Technical Institute of Physics and Chemistry CAS	China	A 20 K phase change unit integrating with pulse tube cryocoolers
211	9-P2-141	Mr. MD ZAMAL NASER	Variable Energy Cyclotron Centre	India	Design and analysis of helical concentric heat exchanger for dilution fridge
212	9-P2-142	Mr. HIRAKLAL CHAKRABORTY	NATIONAL INSTITUTE OF TECHNOLOGY CALICUT	India	Modeling and analysis of Joule-Thomson System
225	9-P2-143	Mr. Kishor Kumar V V	Government College of Engineering Kannur	India	Hydrodynamic parameters of regenerator of a miniature stirling cryocooler
232	9-P2-144	Mr. Siva Krishna	NIT CALICUT	India	Thermodynamic Analysis of Free Piston Stirling Cryocooler Including Regenrator Dead Volume

233	9-P2-145	Mr. ARJUN M S	NATIONAL INSTITUTE OF TECHNOLOGY, CALICUT	India	Dynamic and thermodynamic analysis of stirling cryocooler
Poster Session: Heat Transfer II **Chairperson: Dr. Jaraslaw Fydrych**					
100	9-P2-146	Dr. Liao Wun-Rong	National Synchrotron Radiation Research Center, Taiwan	Taiwan	Development of separator cooling system for helium
111	9-P2-147	Prof. Steven Van Sciver	Florida State University	United States	Measurement of the apparent thermal conductivity of multi-layer insulation (MLI) for variable boundary temperatures
118	9-P2-148	Mr. Guochao Feng	TIPC, Chinese Academy of Science	China	Numerical Simulation of Heat Transfer for Wall-type and Fin-type Heat Exchanger
131	9-P2-149	Mrs. Dong Xu	TIPC, Chinese Academy of Science	China	Theoretical analysis of start-up power in helium pulsating heat pipe
141	9-P2-150	Dr. Sandip Pal	VEC Centre	India	Numerical simulation of plate-fin heat exchanger for helium liquefier and its validation at VECC
147	9-P2-151	Dr. Shine S R	Indian Institute of Space Science and Technology	India	Investigations on two phase cryogenic chill-down process
154	9-P2-152	Mrs. MANJUSA JENA	DEPARTMENT OF PHYSICS, UTKAL UNIVERSITY	India	Magnetohydrodynamic Couette flow of a non-Newtonian fluid in a rotating system with heat transfer
157	9-P2-153	Mr. Chuang Ping Shun	National Synchrotron Radiation Research Center, Taiwan	Taiwan	Development of Multi-Channel Line for NSRRC Cryogenic System

224	9-P2-154	Dr. Tapas Nandi	Indian Institute of Technology, Kharagpur	India	Heat transfer and flow friction correlations for perforated plate matrix heat exchangers
Poster Session: Superconductivity for Power I **Chairperson: Dr. Sastri Pamidy**					
101	9-P2-155	Ms. IPSITA DAS	IIT KHARAGPUR	India	Design Procedure for 220kV-3kA, 200m High Temperature Superconducting power cable
107	9-P2-156	Mrs. Poulomi Brahmachery	Indian Institute of Technology	India	Optimum Configuration of HTS SMES coil for Maximum energy storage
115	9-P2-157	Mr. Anirban De	Variable Energy Cyclotron Centre/DAE	India	Design, development and testing of a 0.6MJ/3.4kW Prototype Superconducting Magnetic Energy Storage System based Dynamic
124	9-P2-158	Mr. Taichi Nishihara	Meisei University	Japan	Analysis of FCL effect cased by superconducting DC cable for railway system under short circuit
138	9-P2-159	Mr. Sudheer Thadela	Indian Institute of Technology	India	Studies on Polypropylene Laminated Paper (PPLP) for High Tc Superconducting Power Cables
206B	9-P2-160	Dr. Hirofumi Watanabe	Chubu University	Japan	Critical current measurement for design of HTS DC power cables
206A	9-P2-161	Dr. Hirofumi Watanabe	Chubu University	Japan	Cooling test of the 500 m class superconducting DC power transmission system

214	9-P2-162	Mr. Venkata Ramana Uppada	Lovely Professional university	India	Parametric Analysis of AC losses in 765 kV/1B kA in High Temperature Superconducting (HTS) cables for High Voltage transmission
215	9-P2-163	Mr. Gadekula Rajesh Kumar	Lovely Professional University	India	Analytical and Computational Investigation on Cooling Strategies of Cold Dielectric Type HTS cables
407	9-P2-164	Mr. Abhijit Dayal Raj	Lovely professional univercity	India	Friction factor correlation developed for turbulent flow in corrugated pipe used in High Temperature superconducting cables
Poster Session: Energy Storage, Superfluidity, Reliability & Analysis **Chairperson: Prof. kanchan Chowdhury**					
175	9-P2-165	Mr. Ankit Jain	Bhabha Atomic Research Centre	India	Studies on steady state and transient response of floating pad journal bearing for high speed cryogenic turboexpanders
183	9-P2-166	Dr. Friedrich Haug	CERN	Switzerland	A small scale remote cooling system for a sc cyclotron magnet
203	9-P2-167	Ms. Fuzhi Shen	TIPC, Chinese Academy of Science	China	Cryogenic Adsorption of Helium-Based Gas Mixture on Activated Carbon
227	9-P2-169	Prof. Junjie Wang	TIPC, Chinese Academy of Science	China	Performance analysis of liquid air energy storage utilizing LNG cold energy
229	9-P2-170	Dr. Junjie Wang	TIPC, Chinese Academy of Science	China	Theoretical analysis of compressor on liquid air energy storage

239B	9-P2-172	Dr. Jing LI	TIPC, Chinese Academy of Science	China	Reliability and Availability Analysis of a 10kW@20K Helium Refrigerator
265	9-P2-173	Mr. SANDEEP SINGH	VARIABLE ENERGY CYCLOTRON CENTRE	India	Flow analysis of a Joule Thomson valve for producing 2K superfluid helium from 3K liquid helium
Poster Session: Superconducting Material II **Chairperson: Prof. Tetiana Prikhna**					
223	9-P2-174	Dr. DINESH TRIPATHI	Galgotias University	India	The effect of Co-current doping of nanoscale carbon and Aluminium Nitride on superconducting properties of bulk MgB2 superconductors
245	9-P2-175	Mr. RADHIKESH NAIR	INDIRA GANDHI CENTRE FOR ATOMIC RESEARCH	India	Magneto-Transport and Magnetization studies of the Superconducting system Nd1.85Ce0A5CuO4 + xAg (x=0, 10 wt %)
249	9-P2-176	Mr. D.S. Nadig	CENTRE FOR CRYOGENIC TECHNOLOGY, IIScBANGALORE	India	Effects of cryogenic treatment on the wear properties of automobile disc brakes
251	9-P2-177	Mr. Rajiv Sharma	Institute for Plasma Research	India	Development of indigenous insulation material for superconducting magnets and study of its characteristics under influence of intense neutron irradiation
273	9-P2-178	Dr. Anurag Gupta	National Physical Laboratory	India	Effect of σ- and π- band modification on the normal and superconducting state properties of bulk MgB2.

274	9-P2-179	Mr. Wilco van de Camp	University of Twente	Netherlands	Transverse crack initiation under combined thermal and mechanical loading of Fibre Metal Laminates and Glass Fibre Reinforced Polymers
297A	9-P2-180	Prof. Abdelhakim Nafidi	University Ibn Zohr	Morocco	Influence of the design parameters and temperature on bands structure and magneto-transport properties in semimetallic two-dimensional InAs/GaSb far-infrared detector
288	9-P2-181	Dr. MARUTI KHOT	WALCHAND COLLEGE OF ENGINEEING SANGLI	India	Flexure bearing for miniature linear compressor
307B	9-P2-182	Dr. Davide Uglietti	EPFL - SPC	Switzerland	Hoop stress measurements on BSCCO tape reinforced with carbon fibre
323B	9-P2-183	Mr. Upendra Prasad	Institute For Plasma Research	India	The validation tests of fusion grade superconductors
328B	9-P2-184	Dr. Alexander Usoskin	Bruker HTS GmbH	Germany	Long length HTS coated conductors with double disordered YBCO for high field applications
330B	9-P2-185	Dr. PRAVEEN RS	INDIAN SPACE RESEARCH ORGANIZATION	India	Investigation on Composite Throat Insert For Cryogenic Engines