

CRYOGENICS 2023 / Submitted Abstracts

Up-dated: September 26, 2022

[November 15, 2022](#) / Abstracts Acceptance Notification

Contribution ID	Presenting author			Title
Cryo2022- 116	Arapetyan	Emma	Ukraine	Cryoconservation of Plants in Ukraine
Cryo2022- 137	Borzenets	Valery	USA	Low Vibration Cryolooper-based System for X-ray and Microscope Applications.
Cryo2022- 138	Borzenets	Valery	USA	Cryogenic Accelerator System for Direct Electron Therapy
Cryo2022- 105	Campestrini	Marco	France	CRYSTALLIZATION RISK OF AROMATIC COMPOUNDS IN LNG PRODUCTION. PART I: THE SOLUBILITY OF BENZENE IN METHANE-RICH MIXTURES DOWN TO CRYOGENIC TEMPERATURES
Cryo2022- 140	Copetti	Jacqueline	Brazil	VITRIFICATION OF BIOLOGICAL MATERIALS BY SLUSH NITROGEN
Cryo2022- 129	Dhruv Rana	Rahul	India	Thermodynamic effect modelling in cryogenic cavitating flows
Cryo2022- 118	Fabre	Caroline	Switzerland	CERN NEUTRINO PLATFORM CRYOGENICS, DUNE AND THE DARKSIDE-20K EXPERIMENT
Cryo2022- 107	Frank	Thomas	Germany	RAPID COOLING, FREEZING AND STEEL HARDENING USING AIR REFRIGERATION
Cryo2022- 102	Geynisman	Michael	USA	Lessons from commissioning and operations of the ICARUS cryogenic system at Fermilab
Cryo2022- 139	Gregor	Jiří	Czech Republic	CAR-T THERAPY THE NEW AND GROWING APPLICATION OF CRYO-TECHNOLOGY IN MEDICINE
Cryo2022- 110	Gust	Norbert	Germany	RECUPERATIVE 4-QUADRANT POWER SUPPLY TESTED WITH ACCELERATOR MAGNET
Cryo2022- 121	Hamacher	Johannes	Germany	NOVEL THERMODYNAMIC MODEL FOR CRYO-COMPRESSED-HYDROGEN TANKS
Cryo2022- 130	Hattori	Akihiro	Japan	NURMERICAL RESEACH OF EFFECTS ON GRAVITY SETTLING AND THEROMOPHORESIS OF MIST PERTICLES ON FROST FORMATION UNDER CRYOGENIC CONDITIONS
Cryo2022- 117	Herzog	Friedhelm	Germany	Cryogenic H2-Cooling System for Refueling Vehicles
Cryo2022- 133	Chyhrin	Artem	Ukraine	Cryogenic high-pressure thermomechanical pressurizer
Cryo2022- 103	Kailash	Lohar	India	Thermo structural analysis of cryogenic transfer line chill-down operation and the selection of metallic bellows for flexibility
Cryo2022- 135	Kerspe	Jobst	Germany	A COMPARISON OF DIFFERENT TYPES OF CRYO-INSULATIONS
Cryo2022- 132	Kim	Donghoi	Norway	Hydrogen Re-liquefaction Processes for Boil-off Gas Handling on Large-scale Liquid Hydrogen Carriers
Cryo2022- 123	Klimanskiy	Dmitriy	Russia	TEMPERATURE MEASURING SYSTEM FOR CRYOGENIC LIQUID HYDROGEN TARGET WITH G-M CRYOCOOLER
Cryo2022- 109	Klupsch	Martin	Germany	A NOVEL LIGHTWEIGHT CRYOGENIC VALVE WITH MINIMIZED HEAT TRANSFER
Cryo2022- 125	Kolesov	Konstantin	Russia	THERMAL CONTACT RESISTANCE OF THE MECHANICAL THERMAL SWITCH FOR THE MAGNETIC REFRIGERATOR
Cryo2022- 119	Lhomme	Cédric	France	CONTROL-ORIENTED APPLICATIONS OF CRYOGENIC & RF COUPLED SIMULATIONS BASED ON A MATLAB/SIMSCAPE CRYOMODULE MODEL
Cryo2022- 124	Mashirov	Alexey	Russia	DIRECT METHOD FOR MEASURING THE MAGNETOCALORIC EFFECT IN HIGH STATIONARY MAGNETIC FIELDS TO EVALUATE COP OF CRYOGENIC MAGNETIC REFRIGERATOR
Cryo2022- 136	Měřička	Pavel	Czech Republic	QUALITATIVE AND QUANTITAVE CHANGES IN THE USE OF CRYO- TECHNOLOGY DURING THE 70 YEAR HISTORY OF THE TISSUE BANK UNIVERSITY HOSPITAL HRADEC KRALOVE
Cryo2022- 108	Miksche	Ronald	Germany	ULTRATIGHT CRYOVIALS – STEPS TO IMPROVE SAMPLE INTEGRITY
Cryo2022- 106	Mostytskyi	Andrii	Ukraine	THE LINDE CYCLE ENHANCEMENT WITH A MIXED REFRIGERANT TO OPERATE WITHIN - 130 TO -150C OF WORKING TEMPERATURE RANGE.
Cryo2022- 120	Mugnini	Alice	Italy	TECHNO-ECONOMIC ANALYSIS OF COLD ENERGY RECOVERY IN L-CNG STATIONS

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Cryo2022- 115	Nguyen	Le-Duy	Korea	TRANSIENT POOL BOILING HEAT TRANSFER OF CRYOGENIC LIQUID ON INSULATED STEEL
Cryo2022- 101	Orchuk	Sean	Canada	EFFICIENCY CALCULATIONS FOR A SUPERCONDUCTING TRANSFORMER – AN EXPERIMENTAL INVESTIGATION
Cryo2022- 131	Peixer	Guilherme Fid	Brazil	SCREENING OF EMERGING TECHNOLOGIES FOR HYDROGEN LIQUEFACTION APPLICATIONS
Cryo2022- 126	Pinho	Jorge	Belgium	THE EFFECT OF DEPRESSURIZATION ON A CRYOGENIC TANK: MACROSCOPIC AND LOCAL ANALYSIS
Cryo2022- 128	Polinski	Jaroslav	Poland	Experimental determination of the relieving capacity of the pressure relief device prototype (pdr) for vacuum jackets of cryogenic equipment
Cryo2022- 112	Reinsch	Holger	Germany	EQUIPMENT FOR HIGH PRECISION CONTROLLED RATE FREEZING OF MICROPLATES IN CONVECTION FREEZERS
Cryo2022- 104	Shi	Shangguan	China	EXPERIMENTAL INVESTIGATION ON FROST DENSITY AND THERMAL CONDUCTIVITY UNDER CRYOGENIC FROSTING CONDITION
Cryo2022- 111	Schroeder	Gunar	Germany	Cryocooler Development
Cryo2022- 114	Sosnowski	Jacek	Poland	MODELING OF THE INFLUENCE OF IRRADIATION ON THE CRITICAL CURRENT OF HTC LAYERED SUPERCONDUCTORS
Cryo2022- 122	Stoliarov	Maxim	Russia	Diagnostic system of the test facility for superconducting wide-aperture quadrupoles
Cryo2022- 134	Tyshko	Dmytro	Ukraine	Separation of binary mixtures based on helium and heavy inert gases
Cryo2022- 113	Winkler	Tom	Germany	A CRYOGENIC TEST SETUP FOR CHARACTERIZATION OF ULTRASONIC FLOW MEASUREMENT TRANSDUCERS
Cryo2022- 127	Zhu	Chengfeng	China	Numerical research of oxygen jet condensation in propulsion system of cryogenic liquid rocket