

LIST OF ACCEPTED CONTRIBUTIONS

UP-DATED: December 23, 2016

The instruction for manuscripts preparation has been distributed by e-mail to all authors.

The full paper submission deadline: January 31, 2017

FULL PAPER ID	TITLE	PRESENTING AUTHOR		ACCEPTED AS
098	ENERGY AND EXERGY ANALYSIS OF USING LIQUID AIR FOR GENERATING AIR CONDITIONING AND POWER FOR DOMESTIC BUILDINGS	ABDALQADER	AHMAD	LECTURE
107	LAB-SCALE HELIUM LIQUEFIER	ADLER	TOBIAS	POSTER
002	USING THE LIQUID NITROGEN FOR CONIFER PLANTS' SEEDS CONSERVATION	ARAPETIAN	EMMA	POSTER
097	STUDY AND OPTIMIZATION OF ENERGY CONSUMPTION IN AN LNG PLANT	BELGACEM	AHMED	POSTER
063	CRYOGENIC CO ₂ CONDENSATION AND MEMBRANE SEPARATION OF SYNGAS FOR LARGE-SCALE LH ₂ PRODUCTION	BERSTAD	DAVID	LECTURE
094	CRYOGENIC SAFETY VALVES TO PROTECT SYSTEMS IN ITER DURING QUENCH	BOERSCH	MICHAEL	LECTURE
028	INFLUENCE OF CRYOGENIC TEMPERATURE PROCESSES IN THE WORK OF THE LINEAR PULSE ELECTROMECHANICAL CONVERTER	BOLYUKH	VLADIMIR F.	LECTURE
062	DRASTIC INCREASE OF EFFICIENCY IN INDUCTION-DYNAMIC DEVICES USING CRYOGENIC COOLING: EXPERIMENTAL EVIDENCE	BOLYUKH	VLADIMIR F.	POSTER
076	OVERVIEW OF THE DEVELOPMENT AND PROTOTYPING OF THE CRYOSTATS AND CRYOGENIC SYSTEMS FOR THE LBNF/DUNE PROJECT	BREMER	JOHAN	LECTURE
059	IMPACT OF PERSONAL CHARACTERISTICS ON WHOLE BODY CRYOSTIMULATION SETTINGS: A NUMERICAL SIMULATION STUDY USING THE FPC MODEL	BRÖDE	PETER	LECTURE
018	MAY THE SURGERY BE A SOURCE OF HAPPINESS?!	BUTORINA	ANTONINA	LECTURE
056	ASPECTS OF HYDROGEN LIQUEFIER SCALE-UP – PROCESS AND EQUIPMENT DESIGN	CARDELLA	UMBERTO	LECTURE
047	EVALUATION OF MECHANICAL DISPLACEMENTS IN SUPERCONDUCTION ACCELERATOR MAGNET ARRAYS	CEBALLOS VELASCO	JORGE	LECTURE
046	CHALLENGES OF HIGH FIELD LARGE BORE SUPERCONDUCTING "OUTSERTS" FOR RESEARCH MAGNETS	CLARKE	NEIL	LECTURE
058	OVERVIEW OF THE CRYOGENICS SYSTEMS FOR THE PROTODUNE PROTOTYPES AT CERN	CREUS PRATS	JOAQUIM	POSTER

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016	THE ANALYSIS OF REFRIGERATION CYCLES IN THE TECHNOLOGIES OF PRODUCING OF NEON AND ITS STABLE ISOTOPES AT T = 28 K	DALAKOV	PETAR	LECTURE
093	SIS100 HTS LOCAL CURRENT LEADS - CRYOGENIC PERFORMANCE	DATSKOV	VLADIMIR	LECTURE
096	THE CRYOGENIC SYSTEM FOR TU MUNICH ULTRA COLD NEUTRON SOURCE : MAIN FEATURES AND COMMISSIONING	DAUGUET	PASCALE	LECTURE
034	MASS FLOW REDUCTION BY A HEATER-CAPILLARY COMBINATION FOR THE CRYOGENIC SYSTEM OF SIS100 AT FAIR	EISEL	THOMAS	LECTURE
045	CRYOGENIC SYSTEM FOR MULTI-PURPOSE DETECTOR AT NICA	EMELIANOV	NIKITA	LECTURE
081	HELIUM LIQUEFIER WITH A CAPACITY OF 1,000 L / H AT JINR (RUSSIA, DUBNA)	EMELIANOV	ANTON	POSTER
092	BRAZED PLATE HEAT EXCHANGER (BPHE) FOR MICRO SIZED NATURAL GAS LIQUEFACTION PLANT INCLUDING CRYOGENIC CO ₂ SEPARATION	FELGENHAUER	BJÖRN	LECTURE
102	EMISSIVITY OF GOLD-COATED METALLIC SURFACES	FROLEC	JIŘÍ	POSTER
066	MODIFIED CALIBRATION FREE METHOD FOR AC MAGNETIZATION LOSS MEASUREMENT	FROLEK	LUBOMÍR	POSTER
073	A SOLUTION TO LARGE PUMPING SPEED REQUIREMENT IN FUSION REACTORS, SPACE SIMULATORS & ACCELERATORS	GANGRADEY	RANJANA	LECTURE
095	DEVELOPMENT OF A CRYOCOOLER SET-UP DEDICATED TO THE CHARACTERIZATION OF HIGH SENSITIVITY SUPERCONDUCTING RADIOFREQUENCY COILS	GEAHEL	MICHEL	POSTER
048	COMPARISON BETWEEN CONTINUOUS SOLID SORPTION COOLING AND PULSE TUBE COOLING OPERATION	GHOSH	INDRANIL	LECTURE
049	HIGH POROSITY OPEN-CELL METAL FOAM AS POTENTIAL CANDIDATE FOR SPACE CRYOGENIC RADIATOR	GHOSH	INDRANIL	POSTER
072	A COMPUTATIONAL STUDY FOR CHARACTERIZING CAVITATING FLOW IN HYDROFOILS OPERATING AT CRYOGENIC CONDITIONS	GHOSH	PARTHASARATHI	LECTURE
007	MODELLING OF A COUNTER-FLOW HEAT EXCHANGER FOR CRYOGENIC MIXED REFRIGERANT CYCLES	GOMSE	DAVID	LECTURE
106	LIQUID AIR ENERGY STORAGE - PART OF THE JOINT PROJECT "OFFSHORE WIND SOLUTION"	GROßMANN	BJÖRN	LECTURE
057	AN EXPERIMENTAL STUDY ON THE WORKING CHARACTERISTICS OF A METHANE-CHARGED CRYOGENIC LOOP HEAT PIPE	GUO	YUANDONG	LECTURE
085	COMPACT PLUG&PLAY MONITORS FOR PRECISE LOW TEMPERATURE MEASUREMENTS	GUST	NORBERT	LECTURE
030	CRYOGENICS-BASED ENERGY STORAGE CONCEPTS: EVALUATION USING EXERGY-BASED METHODS	HAMDY	SARAH	POSTER

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082	EXPERIMENTAL INVESTIGATION OF A CRYOGENIC LOOP HEAT PIPE WITH LARGE-AREA HEAT TRANSPORT CAPABILITY	HE	JIANG	LECTURE
052	COMMISSIONING RESULTS OF THE JT-60SA CRYOGENIC SYSTEM	HOA	CHRISTINE	LECTURE
091	ANALYZING PIPELINE GEOMETRY OF OXYGEN PRESSURE REDUCING STATIONS IN STEEL PLANTS TOWARDS SAFER DESIGN	CHOWDHURY	KANCHAN	LECTURE
011	SIMULATION ANALYSIS AND DESIGN CONCEPTS OF MULTI-CHANNEL LINE FOR NSRRC CRYOGENIC SYSTEM	CHUANG	P.S.D.	POSTER
015	THE EXTRACTION OF RARE GASES BY DESUBLIMATION METHOD	CHYHRIN	ARTEM	LECTURE
087	ANALYSIS OF LNG COLD ENERGY UTILIZATION SYSTEM FOR POWER GENERATION BY USING DIRECT EXPANSION AND RANKINE CYCLES	JOY	JUBIL	POSTER
111	EFFECT OF TEMPERATURE VARIATION ON COLD ELECTRONICS BASED LC OSCILLATOR FOR RRR MEASUREMENT	KARUNANITHI	R.	POSTER
071	CRYOCOOLER BASED CRYOSORPTION PUMPS WITH INDIGENOUS ACTIVATED CARBONS FOR FUSION APPLICATIONS	KASTHURENGAN	SRINIVASAN	POSTER
026	CRYOPRESERVATION BY VITRIFICATION: BASIC THERMODYNAMIC PRINCIPALS, METHODS AND DEVICES	KATKOV	IGOR I.	LECTURE
040	THE GERSEMI VERTICAL CRYOSTAT AT FREIA	KERN	ROCÍO SANTIAGO	POSTER
024	THE STATUS OF THE MANUFACTURING AND TESTING OF SC MAGNETS FOR NICA PROJECT AND SIS100 SYNCHROTRON	KHODZIBAGYAN	HAMLET	LECTURE
051	SIMULATION OF GAS FLOW THROUGH CRYOGENIC HELIUM MIXED-FLOW TURBINE AND HELIUM TURBINES IN-HOUSE TESTING AND VIBRATION DIAGNOSTICS	KOHUT/KUNDERA	VOJTĚCH/RADOVAN	LECTURE
054	PROGRESS OF THE FAIR CRYOGENIC SYSTEM	KOLLMUS	HOLGER	LECTURE
037	ANALYSIS OF THE THERMAL LOADS ON THE NICA ACCELERATOR COMPLEX AT JINR	KONSTANTINOV	ANTON	LECTURE
103	ROLE OF THE SUPERCONDUCTIVITY IN RADIATIVE HEAT TRANSFER	KRÁLÍK	TOMÁŠ	LECTURE
014	NOVEL EQUIPMENT FOR CONTROLLED RATE FREEZING	KRETSCHMER	RENÉ	LECTURE
060	NUMERICAL SIMULATION OF A HYBRID CRYOCOOLER	KUMAR	RAJENDRA	POSTER
061	FIRST ORDER ANALYSIS OF MAGNETICALLY AUGMENTED REGENERATORS IN PULSE TUBE CRYOCOOLERS	KUMAR	RAJENDRA	LECTURE

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080	LOW-TEMPERATURE NATURAL HELIUM SEPARATION PROCESSES FOR OBTAINING 3HELIUM ISOTOPE	KUPRIYANOV	MAKSIM	LECTURE
035	NUMERICAL STUDY ON FLOW CONDENSATION IN SUBCOOLED OXYGEN BEND PIPES OF LIQUID ROCKET	LI	YANZHONG	POSTER
036	STUDY ON PROPAGATION OF TEMPERATURE DISTURBANCE IN INDIRECT-DRIVE INERTIAL CONFINEMENT CRYOGENIC TARGET SYSTEM	LI	CUI	POSTER
020	THE NUMERICAL SIMULATION AND EXPERIMENTAL COMPARISON OF SEPARATOR COOLING SYSTEM FOR HELIUM	LIAO	W.R.	POSTER
064	INFLUENCE OF LASER EXCITATION ON INVERSE PROXIMITY EFFECT IN BIOX (X = CL AND I)/NB HETEROSTRUCTURES	LOTNYK	DMYTRO	POSTER
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005	HOW LONG DO WE NEED TO STORE CRYOPRESERVED CELLS AND TISSUES	MERICKA	PAVEL	LECTURE
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031	STATUS OF THE NICA CRYOGENICS AT JINR	MITROFANOVA	IULIIA	LECTURE
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033	OVERVIEW OF THE LONG-BASELINE NEUTRINO FACILITY CRYOGENIC SYSTEM	MONTANARI	DAVID	POSTER
050	DESIGN OF CRYOGENIC TWIN SCREW ASSEMBLY FOR EXTRUDER TYPE PELLET INJECTOR SYSTEM	MURKHERJEE	SAMIRAN	POSTER
029	OPERATIONAL DATA ANALYSIS OF THE STANDARD COMMERCIAL HELIUM LIQUEFIER/REFRIGERATOR	NAGIMOV	RUSLAN	LECTURE
017	MODELING OF HYDRODYNAMICS AND HEAT EXCHANGE IN REGENERATORS OF CRYOCOOLERS	NAVASARDYAN	EKATERINA	LECTURE
099	ANALYTIC STUDY FOR A LEAK DETECTION SYSTEM ON ARIANE 5 LAUNCHER CRYOGENIC INTERFACE	NICCOLAI	JEAN-FRANCOIS	LECTURE
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109	COMPACT LNG REGASIFICATION PLANTS AND FUELING STATIONS	PAVLAK	JOSEF	LECTURE

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078	OPTIMIZATION OF FIN PARAMETERS FOR TWO-STREAM (HE/HE) PLATE-FIN HEAT EXCHANGER OF HELIUM PLANT WITH NON-LINEAR FLUID PROPERTY VARIATION	SAHU	A K	POSTER
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003	DETECTION OF WATER LEAKS BY LIQUID HELIUM	SAOULA	NACEREDINE	REJECTED
090	ANALYSIS OF CASCADE CYCLE AND REVERSE BRAYTON CYCLE BASED RELIQUEFACTION SYSTEMS FOR THEIR SUITABILITY IN LNG CARRIER SHIPS WITH DUAL FUEL ENGINES	SARUN	KUMAR KOCHUNNI	LECTURE
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101	LOW-COST AND HIGHLY EFFICIENT HYDROGEN GETTER USED IN VACUUM INSULATED CRYOGENIC TANK	SHI	YUMEI	POSTER
021	CRYOGENIC INFRASTRUCTURE FOR THE SERIAL MAGNET TEST FACILITY FOR FAIR	SCHROEDER	CLAUS	LECTURE
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023	CO ₂ AND H ₂ S CRYOGENIC REMOVAL PROCESS EVALUATION FOR THE BIOGAS UPGRADING AND LIQUEFACTION	SPITONI	MARCO	LECTURE
070	RESEARCH IN PARTIAL-HYBRID COMPRESSION TECHNOLOGY FOR ULTRA-LOW TEMPERATURE REFRIGERATION ACHIEVEMENT	STAIKOVICI	MIHAIL-DAN N.	LECTURE
100	THE INFLUENCE OF THE WHOLE-BODY CRYOTHERAPY IN HEALING OF THE INJURED TISSUES OF THE VOCAL CORDS	STRNAD	PETR	LECTURE
110	THE OBSERVATIONS OF DECISIVE MOMENT OF CELL LYSIS DURING FREEZING AND THAWING, AND OF CELL PROLIFERATION/DIFFERENTIATION AND MOVEMENT AFTER THAWING AND CULTURE USING 16MM MOVIE AND TIME-LAPSE VIDEO RECORDING	SUMIDA	SAJIO	LECTURE
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010	STUDY ON SET PRESSURE ADJUSTMENT METHODS OF CRYOGENIC SPRING LOADED SAFETY RELIEF VALVES	WEBER	CHRISTINA	LECTURE
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083	THE DESIGN AND EXPERIMENTAL RESULTS OF A PULSE TUBE CRYOCOOLER WORKING AT 77K	ZHOU	QIANG	POSTER
053	EXPERIMENTAL STUDY ON THERMAL STRESS OF CRYOGENIC TANK DURING DIFFERENT COOL-DOWN PROCESS	ZHU	KANG	LECTURE



Romana Kočová

ICCEX s.r.o.
Praha, Czech Republic

E-mails:

romana@icceex.cz
rom.kocova@gmail.com

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