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Contact: Romana Kočová, Romana@icaris.cz

Monday, April 26, 2010				
16:30	18:30	Registration of participants		
19:00	21:30	Welcome Toast at the hotel SUZA		
Tuesday, April 27, 2010				
8:30	17:00	Registration of participants & Information		
9:00	9:15	Opening of the conference: Václav Chrz, the chairman of the conference & Didier Coulomb, the director of the IIR		
Helium Cryogenics				
9:15	9:40	Sekachev I.	Helium Cryogenics at TRIUMF	31
9:40	10:05	Pamidi S.	Characterization of High Temperature Superconducting Power Devices at 40-80 K Using Closed Cycle Cryogenic Helium Circulation System	18
10:05	10:30	Jahanbakhshi R.	Optimization of Pulse Tube Refrigerators Considering Prominent Operating Parameters Using Evolutionary Algorithms	19
10:30	10:55	Jahanbakhshi R.	Numerical Modeling of Pulse Tube Refrigerator and Sensitivity Analysis of Simulation	33
10:55	11:20	Coffee break		
11:20	11:45	Funke T.	A Simple Calibration Device for Cryogenic Temperature Sensors Using a Standard Liquid Helium Dewar Vessel	43
11:45	12:10	Musilová V.	Emissivity and in Situ Measurement of Amount of Water Condensed on a Metallic Sample	32
12:10	12:35	Buyadgie D.	Method of Progressive Decrease of helium Evaporation Temperature with the Usage of Multistage Ejector System	26
12:35	14:00	Lunches (at the restaurant of the hotel SUZA)		
Superconductivity				
14:00	14:25	Fedorets P.	Using of Cryogenic Corpuscular Targets in the Experiments for Particle Acceleration and in the Experiments for Study of the Interaction of Laser Radiation with Matter	25
14:25	14:50	Perez-Díaz J.L.	First transition effects in magnet-superconductor levitating mechanisms	42
14:50	15:15	Gupta N.Ch.	Characterization and Testing of 10 kA Vapor Cooled Conventional Current Leads under Long Pulse Operation	30
15:15	15:40	Coffee break		
Commercial presentations				
15:40	16:10	Lehmann H.	Nexans Deutschland GmbH: CRYOFLEX® - Convenient Cryogenic Piping	
16:15	16:45	Bosch K.	Stöhr Armaturen GmbH & CO KG: Cryogenics valves - FREES – Flexible, efficient, safe	
19:00	22:00	Conference Dinner - at the Reduta (Medena Street 3, Bratislava; www.reduta.sk)		

Wednesday, April 28, 2010

8:30	17:00	Registration of participants & Information	
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LNG

9:00	9:25	Scurlock R.	Cryogenic problems of Flying Longhaul at 40,000 FT in Stratosphere at -57 C	8
9:25	9:50	Chung M.	Design of Plate-fin Type Heat Exchanger for LNG Liquefaction (Application of Enthalpy Method)	9
9:50	10:15	Panferov K.	The System for Diagnostics of the Two-Phase Liquefied Natural Gas Flow	13
10:15	10:40	Coffee break		
10:40	11:05	Krasnonosova S.	Entropic and Statistic Analysis of Low Capacity Plants for Liquid Natural Gas (LNG) Production	17
11:05	11:30	Wijaya R.	Evaluation of Thermodynamic Models for the Prediction of Solid Precipitation of N-alkanes	40
11:30	11:55	Chrz V.	LNG Applications for Fueling Vehicles	39
11:55	12:20	will be specified	Calculation Researches of Modes of Propan-Propylen Mixture Separation by Rectifying Method for Production of 99.992% Super High Purity Propylene	15
12:20	13:30	Lunches (at the restaurant of the hotel SUZA)		

Industrial Gases

13:30	13:55	Symonenko Yu.	Cryogenic Technologies of Light Inert Gases Production. The Reserves and prospects for the Raw Material Complex	2
13:55	14:20	Wagner R.	Flow Metering Systems for Cyogenic liquids	38
14:20	14:45	Youbi-Idrissi M.	Ultrasounds Effect on Heat Transfer Enhancement of Nitrogen: Results of an Experimental Study	34
14:45	15:10	Coffee break		

Medical Applications

15:10	15:35	Měříčka P.	New European Norm Requirements Lead to Increasing of Liquid Nitrogen Consumption in Hematopoetic Progenitory Cell Bank	37
15:35	16:00	Skyba M.	Effect of Thermal Gradients in the Specimen on Survival of Cryopreserved Plant Cells Subjected to Cryopreservation by Slow Cooling Aproach	12
16:00	16:25	Spörl G.	Cryopreservation of Living Tissue	28
16:25	16:50	Goncharova G.	Medical Aspects of Low-Temperature Ice Surfaces Creation for Winter Sports Based on Molecular Influence on Physical-Mechanical Properties	14

Thursday, April 29, 2010**Technical excursions**

8:30	13:00	Institute of Electrical Engineering of the Slovak Academy of Sciences - Bratislava	
8:30	15:00	RUAG Space GmbH - Berndorf in Austria	

Poster session: Tuesday - Wednesday, April 27 - 28, 2010

Belgacem A.	Study and Simulation of the Rollover of Stratified Layers during the Storage of the Liquefied Natural Gas (LNG)	20
Bruňáková K.	Cryopreservation of Hypericum Perforatum L. shoot Tips by Vitrification: the Role of ABA in Dehydration Tolerance	22
Haberstroh Ch.	The New High Performance Helium Plant at the IFW Dresden	44
Kaiser G.	Development of a Piston Pump for Liquid Cryogenes with Cryogenic Linear Motor Drive	21
Martelli V.	Very Low Temperature Thermal Conductivity of Amorphous Solids	4
Sosnowski J.	New Model of the Pinning Interaction in HTC Superconductors	10
Symonenko Yu.	Oscillatory and Vortex Devices and their Use in Rare Gases Extraction	1
Urban P.	Calibration of Germanium Temperature Sensors for Experimental Study of natural Turbulent Convection	46

Exhibition on Tuesday - Wednesday, April 27 - 28, 2010

CHART Ferox, a.s., Czech Republic

CRYOSTAR SAS, France

HEROSE GmbH, Germany

Nexans Deutschland GmbH, Germany

Schwanner Vakuum and Cryotechnic, Germany

STÖHR Armaturen GmbH & Co KG, Germany

VRV S.p.A., Italy