

Programm	12. Freiberg-St- Petersburg Colloquium of Young Scientists
8. 6.	
09:30	Prof. Drebenstedt C. Eröffnung
09:40	Geologie/ Mineralogie/ Geoökologie
	Kurenkov D.S. EXPERIENCE OF ENGINEERING-GEOLOGICAL MONITORING SYSTEMS USE ON MINING ENTERPRISES
	Ryazanov K. GENETIC MODEL OF THE UPPER CAMBRIAN DEPOSITS (LOWER HENGUR SUBFORMATION) OF THE YUGOR PENINSULA
	Shamshev A. USE OF THE RESULTS OF EXPERIMENTAL FILTRATION OBSERVATIONS AIMED AT IMPROVING THE METHODOLOGY FOR ASSESSING THE FILTRATION PARAMETERS OF ANISOTROPIC DEPOSITS WITH LOW PERMEABILITY
	Schlothauer T. AU-PGE-BEARING CO-NI-ASSOCIATIONS FROM NIEDERSCHLEMA-ALBERODA/ GERMANY-GEOLOGICAL AND GEOCHEMICAL INTERPRETATION
11:00	Geotechnik/ Markscheidewesen
	Alekseev A. THE INFLUENCE OF TECTONIC DISLOCATIONS ON STABILITY OF TUNNEL FACE DURING THE CONSTRUCTION OF SAINT-PETERSBURG UNDERGROUND
	Beregovoi D. CREATION OF A QUARRY DIGITAL TERRAIN MODEL USING PHOTOS OBTAINED FROM UNMANNED AERIAL VEHICLE
	Kolesnik O. ABOUT THE COMPOSITION OF ENGINEERING-GEOLOGICAL FACTORS IN THE CADASTRE EVALUATION OF SETTLEMENTS LANDS IN THE RUSSIAN FEDERATION
	Melnikov N.Y. THE ANALYSIS OF CHARACTER OF DEFORMATION PROCESSES' DEVELOPMENT IN MASSIF DURING OPEN-PIT MINING
	Rinchinov M. ANALYSIS OF IN SITU ROCK MASS MODULUS MEASUREMENTS FOR A WIDE RANGE OF ROCK TYPES
	Senkovskaya K.E. DEFINING SIGNIFICANT AREAS WITH UNIQUE CONDITIONS OF LAND TERRITORY USE FOR CADASTRAL ASSESSMENT OF LAND PLOTS OF HORTICULTURAL VEGETABLE GARDEN NON-COMMERCIAL ASSOCIATIONS
	Sozonov K.V. STRESS-STRAIN STATE ASSESSMENT OF STOPES DURING DEVELOPMENT OF THE YAKOVLEVSKY DEPOSIT
12:30	Pause
13:30	Geotechnik/ Markscheidewesen
	Voznesenskiy A.S. THE DEVICE FOR NONDESTRUCTIVE TESTING OF ANCHOR ROOF BOLTS OF UNDERGROUND EXCAVATIONS «ANKER-TEST»
	Abbaspour H. SLOPE STABILTY ANALYSIS (BENCHES OR INTER RAMP SLOPE) UNDER THE LIVE LOADS IN OPEN PIT MINES
	Zimina D. SOLUTION OF PROBLEM ARISING IN THE PROCESS OF CEMENTING WELLS IN PERMAFROST BY DEVELOPING A NEW COMPOSITION OF EXPANDING CEMENT SLURRY
	Morozov N. A. ACOUSTIC EMISSION TECHNIQUE AND LASER ULTRASOUND FOR CRACK FORMATION TESTING OF ROCK SAMPLES UNDER UNIAXIAL COMPRESSION
	Yildizdag K. INTEGRATED GIS, 3D CAD AND 3D DISCRETE NUMERICAL MODELLING OF IN-SITU STRESS STATE AT THE NORTH-SUDETIC THROUGH

14:30		Bergbau
	Walther A. Wendler C.	CHARACTERIZATION OF MINE WATERS BY MEANS OF HYDROGEOCHEMICAL MODELING WITH PHREEQC - CASE STUDIES
	Hagedorn D.	TRACING MINE WATER INFLOWS TO DERIVE DEWATERING MEASURES – A TRIAL TO ADAPT THE APPROACH FOR UNDERGROUND MINES
	Duc Huan Tran	EFFECT OF CAVITY SHAPES ON THE FRICTION FACTOR IN PERFORATED AND SLOTTED HORIZONTAL WELLS USED TO DEWATER OPENCAST MINES
	Abbaspour H.	OPTIMUM LOCATION AND RELOCATION OF SEMI MOBILE IN PIT CRUSHING AND CONVEYING SYSTEM (SMIPCC)
	Abakarova D. Bostandzhiev D.	INCREASING THE EFFICIENCY OF TRANSPORTATION OF PEAT PARTICULARITIES OF FLAT-LYING MULTIPLE SEAMS LONGWALL MINING IN RUSSIAN MINES
	Falova	ANALYSIS OF CONTROL SYSTEM FOR MINE OSH "OBUKHOVSKYA"
	Grafe, B.	KEYNOTES TO INNOCRUSH – SCIENTIFIC PROJECT TO THE CUTTING PROCESS IN MINING
15:30		Pause
16:00		Bergbau
	Niari I.-M., Lazar M.	CURRENT SITUATION OF LIGNITE EXPLOITATION FROM OLTENIA’S MINING BASIN AND REUSE SOLUTIONS OF REMAINING GAPS
	Duc Huan Tran	EFFECT OF CAVITIES SHAPES ON THE ROUGHNESS FRICTION FACTOR IN PERFORATED AND SLOTTED HORIZONTAL WELLS USED TO DEWATER OPENCAST MINES
	Kliushnik I.	RESEARCH OF CUTTING ROCK PROCESS BY A SINGLE CUTTER OF MINING MACHINE ON FULL-SIZED STAND
	Kuzhelev A. Manakov A.	COMPREHENSIVE DIAGNOSTICS OF TRUCKS ANALYSIS OF THE INFLUENCE OF THE HOLE DIAMETER ON THE DILUTION INDICATOR WHEN DEVELOPING LOW-WIDTH ORE BODY IN THE CONDITIONS OF THE “DUCAT” MINE
	Naumova P.D.	UPGRADED DRILLING RIG INCREASED EFFICIENCY FOR OPEN-PIT MINING
	Zotova I.E.	PROCESSING OF TECHNOGENIC PLATINUM-CONTAINING RAW MATERIAL BY HEAP LEACHING
	Tursunov M, Sivaraksha D.M.	PERSPECTIVES OF COAL MINING AT «VOSTOCHNYI» OPEN CAST MINE OF EKIBASTUS COAL FIELD
17:00		Bergbausanierung
	Danciu M.-I.	CHALLENGES IN APPLYING THE NEW ECONOMY IN A POST-INDUSTRIAL SOCIO-ECONOMIC SYSTEM. CASE STUDY: JIU VALLEY, ROMANIA
	Irimie S., Danciu M.	STRATEGIC ASPECTS IN SUSTAINABLE DEVELOPMENT OF JIU VALLEY, ROMANIA
	Günther J.	SPECIFIC COPPER RETENTION BY ION EXCHANGE FROM CHILEAN MINE WATER WITH ZEOLITHES AND PEAT-BASED SORPTION MEDIA
19:00		Abendveranstaltung im Brauhof

	9. 6.	
09:00		Aufbereitung/ Maschinenbau/ Metallurgie
	Fedorov S.N.	APPLICATION OF TIB2 PRODUCED BY LOW-TEMPERATURE SYNTHESIS
	Korovashkov M.G.	OPTIMIZATION OF NON-DESTRUCTIVE TESTING METHODS IN THE CONTROL OF ANTICORROSIVE CLADDING INTERNALS DESIGNS
	Sagdiev V.	THERMODYNAMICS OF ION EXCHANGE OF GALLIUM FROM ALKALINE SOLUTIONS AT A WEAKLY BASIC ANION EXCHANGER
	Shamshev A.	USE OF THE RESULTS OF EXPERIMENTAL FILTRATION OBSERVATIONS AIMED AT IMPROVING THE METHODOLOGY FOR ASSESSING THE FILTRATION PARAMETERS OF ANISOTROPIC DEPOSITS WITH LOW PERMEABILITY
	Sivushov A.	EFFECTS OF IRON CONTENT IN RED MUD WITH THE CALCULATION OF THE EFFECTIVENESS OF THE USE OF THE OBTAINED AGGLOMERATES IN BLAST FURNACE PRODUCTION
	Smolnikov A.	SIMULATING OF HEAT TRANSFER PROCESS IN AN ELECTROLYSIS CELL BY 2D NONSTATIONARY MODEL
	Vazhenin A.	QUALITÄTSVERBESSERUNG BEI DER FERTIGUNG DER EINZELTEILE AUS TITANLEGIERUNGEN AUF DREHMASCHINEN DURCH LOKALE PLASTISCHE VORVERFORMUNG
	Urazbakhtin R.	DEVELOPMENT OF WORKABLE DESIGN OF TUNNELING MACHINE FOR RESCUE WORK IN THE MINES
	Zykova R.	MODERN STATE OF RARE EARTH ELEMENT PRODUCTION IN RUSSIA. REVIVAL OF THE INDUSTRY
	Kozlova O.N.	ZINC BEHAVIOUR IN THE PYROMETALLURGICAL PROCESSES OF FERROUS METALLURGY
	Shevchenko A.	VERSUCHSPANUNG ZU MASSSTABMODELLEN VON MULTIFAKTORIELLEN PROZESSEN
	Shibaev I.A.	STUDY OF THE INFLUENCE OF FREEZE-THAW CYCLES OF ROCK SAMPLES ON STRUCTURE AND PROPERTIES BY BROADBAND ULTRASONIC SPECTROSCOPY
	Shurkin P:K:	STRUCTURE AND PROPERTIES OF ROLLED THIN SHEET OF HIGH-STRENGTH SPARINGLY ALLOYED ALUMINIUM ALLOY BASED ON AL – ZN – MG – NI – FE SYSTEM
	Shepel T.	ANALYSIS OF ACCELERATIONS AT THE AFT PART OF THE RESEARCH VESSEL “PROFESSOR MOLCHANOV” DURING MARINE EXPEDITION IN THE ARCTIC REGION
	Korobeinikov, I.	DENSITY OF THE STEEL ALLOYS DEPENDING ON THE ALLOYING COMPONENT
	Guoqing L.	EFFECT OF ALUMINIUM AND SILICON ON THE KINETICS OF CEMENTITE FORMATION IN MEDIUM MANGANESE STEELS
	Chebykin L.	EFFECT OF DIFFERENT CHEMICAL COMPOSITION OF SLAGS ON VISCOSITY
12:00		Pause
13:00		Bohrtechnik/ Erdöl/ Erdgas
	Glazyrina E.E.	ENGINEERING-GEOLOGICAL SUPPORT FOR THE SUSTAINABILITY OF OFFSHORE DRILLING PLATFORMS ON THE NORTH CASPIAN SHELF
	Gorlenkova I.V.	JUSTIFICATION AND DEVELOPMENT OF TECHNOLOGY OF RECOVERING METALS FROM OIL
	Khusnutdinov S.I.	THERMOCHEMICAL DEHYDRATION OF OIL SLUDGES

	Shaburova M.	PROSPECTS OF THE PETROLEUM POTENTIAL OF THE LATE PROTEROZOIC-EARLY PALEOZOIC FORMATIONS OF THE NORTH-EASTERN EDGE OF THE EAST EUROPEAN PLATFORM AND APPROPRIATE FRAMING
	Sobolev A.	USE OF THE DYNAMIC POSITIONING SYSTEM WITH AN ASYNCHRONOUS ELECTRIC DRIVE ON SHIPS USED IN THE DEVELOPMENT OF OFFSHORE OIL AND GAS FIELDS
	Suvorova Z.V.	DIE KINETISCHE KURVEN ABSORPTION VON ERDÖL GESCHÄUMTEM POLYSTYROL UND SEINE STRUKTUR.
14:00		Umwelt/ Energie
	Agafonov J.G., Fedorov G.B.	PRINCIPAL PHYSICS OF VIBROACOUSTIC OSCILLATIONS USE FOR INTENSIFICATION OF TREATMENT PROCESSES
	Prof. Draganov L.	DIE ZWEI ASPEKTE DER AUSGEGLICHTENEN ENTWICKLUNG DER MENSCHLICHEN GESELLSCHAFT. AKTUELLE LÖSUNGEN
	Grimmer M., Ussath M.	APPLICATION AND RECALIBRATION OF A HANDHELD XRF DEVICE
	Lebedev A.B.	INTERACTION OF MOLTENED SLAG WITH SOLID PHASE OF COMPLEX CHEMICAL COMPOSITION (RED MUD)
	Korneva M.	ASSESSMENT OF THE DUST LOAD ON THE RESPIRATORY ORGANS OF WORKERS IN COAL MINES, TAKING INTO ACCOUNT THE DISPERSED COMPOSITION OF THE DUST AEROSOL
	Narzidinov F.	PROBLEMS OF SUSTAINABLE DEVELOPMENT OF MINERAL FERTILIZERS INDUSTRY
	Zemskov A.	FEATURES OF GEOTECHNICAL ASSESMENT OF CONSTRUCTION AND OPERATION OF HIGH-RISE BUILDINGS IN THE CONDITIONS OF UNDERGROUND SPACE CONTAMINATION AND IMPACT OF CONFINED AQUIFERS
15:00		Pause
15:30		Umwelt/ Energie
	Simion A., Lazar M.	IDENTIFICATION OF THE SOURCES GENERATING IMPACT ON THE WATER QUALITY OF THE EAST JIU BASIN
	Smirnov A.I.	THE INFLUENCE OF HIGHER HARMONICS ON THE MEASUREMENT OF REACTIVE ENERGY IN ELECTRIC NETWORK
	Yushkova E.	EXERGETIC METHOD OF ANALYSIS OF THERMAL POWER SYSTEMS
	Zhao Jingyu	GASES GENERATING REGULATION OF DECOMPOSED COAL DURING PROCESS OF SPONTANEOUS COMBUSTION
16:00		Wirtschaft/ Management
	Irimie S.	AGE MANAGEMENT AND THE IMPACT OF AN AGEING POPULATION OVER LABOUR MARKET
	Chshetinina K.V.	PROSPECTS FOR THE REVIVAL OF RUSSIAN TIN INDUSTRY IN THE FRAMEWORK OF THE RUSSIAN-KAZAKHSTAN COOPERATION
	Pirogova A.S.	THE PROBLEMS OF FINANCIAL STABILITY OF MINING ENTERPRISES
	Rodionov A.O.	ANALYSIS OF INFLUENCE OF LOSS AND MINING OF MINERAL RESOURCES ON PARAMETERS OF TECHNOLOGY FOR CAREER PROCESSING
	Firmansyah F.	INPUT-OUTPUT ANALYSIS OF BAUXITE BENEFICIATION IN INDONESIA
	Inthanongsone I.	APPLICATION OF REAL OPTIONS ANALYSIS IN OPERATIONAL MINE PLANNING LEVEL