

TITLE	INSTITUTION	PRESENTER	ACCEPTED AS	COUNTRY
DIFFUSION CONTROLLED HIGH TEMPERATURE BEHAVIOUR OF CVD-FBR. AL COATED BY P92 AND T22 STEELS	UNIVERSIDAD SIMON BOLIVAR	JOAQUIN LIRA OLIVARES	POSTER N° 1	VENEZUELA
Al <sub>2</sub> O <sub>3</sub> /Ti <sub>6</sub> Al <sub>4</sub> V DIFFUSION WELDING JOINTS USING Ag-Cu AS INTERLAYER: MICROSTRUCTURAL AND MICROMECHANICAL CHARACTERIZATION	UNIVERSIDAD COMPLUTENSE DE MADRID	JOSE M <sup>º</sup> GÓMEZ DE SALAZAR	POSTER N° 2	SPAIN
OXYGEN DIFFUSION AND SURFACE EXCHANGE IN YTRIA-STABILIZED ZIRCONIA AND GADOLINIA-DOPED CERIA CERAMICS AT LOW TEMPERATURES	AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	KAZIMIERZ KOWALSKI	POSTER N° 4	POLAND
NANOSCOPIC ASSESSMENT OF THE CORROSION RESISTANCE OF FERRITIC STAINLESS STEELS MODIFIED BY IONIC IMPLANTATION	UNIVERSIDAD COMPLUTENSE DE MADRID	SONIA MATO	POSTER N° 5	SPAIN
STUDY OF OXYGEN DIFFUSION IN POLYCRYSTALLINE ZnO BY SIMS	UNIVERSIDADE FEDERAL DE OURO PRETO	ANTONIO CLARET SOARES SABIONI	POSTER N° 6	BRAZIL
RESIDUAL STRESS ANALYSIS BY FEM OF HIGH TEMPERATURE COATINGS ON THE P-91 STEEL BOTH, AS PRODUCED AND AFTER OXIDATION IN A STEAM ATMOSPHERE	UNIVERSIDAD COMPLUTENSE DE MADRID	GERMÁN ALCALÁ	POSTER N° 7	SPAIN
HIGH TEMPERATURE OXIDATION BEHAVIOR OF AL-FE INTERMETALLIC CVD-FBR COATINGS ON P-91 AND HV-12 FOR SUPERCRITICAL STEAM POWER GENERATION PLANTS	UNIVERSIDAD COMPLUTENSE DE MADRID	ANTÓN SANJURJO	POSTER N° 8	SPAIN
SHRINKAGE OF HOLLOW NANOPARTICLES OF OXIDES OF Cu AND Ni AT HIGH TEMPERATURES	OSAKA UNIVERSITY	RYUSUKE NAKAMURA	POSTER N° 9	JAPAN
THE INFLUENCE OF CVD COATINGS ON HCM12 CORROSION BEHAVIOUR UNDER MOLTEN SALT CONDITIONS	UNIVERSIDAD COMPLUTENSE DE MADRID	M <sup>º</sup> PILAR HIERRO	POSTER N° 10	SPAIN
TEMPERATURE AND TIME DEPENDENCES OF MAGNETO-PLASTIC EFFECT IN BERYLLIUM BRONZE IN THE PULSE MAGNETIC FIELD	SAMARA STATE UNIVERSITY	ALEXANDER POKOEV	POSTER N° 12	RUSSIA

DIFUSSION OF <sup>65</sup> Zn IN AZ91 AND QE22 ALLOYS WITH SAFFIL REINFORCEMENT- INFLUENCE OF INTERFACES MATRIX/SAFFIL	INSTITUTE OF PHYSICS OF MATERIALS ACADEMY OF THE SCIENCES OF THE CZECH REPUBLIC	IVO STLOUKAL	POSTER N° 13	CZECH REPUBLIC
DOPING EFFECT IN NICKEL OXIDE	BOSMAL	JURASZ ZBIGNIEW	POSTER N° 14	POLAND
FIRST STUDY OF OXYGEN DIFFUSION IN A ZnO BASED COMMERCIAL VARISTOR	UNIVERSIDADE FEDERAL DE OURO PRETO	ANTONIO CLARET SOARES SABIONI	POSTER N° 15	BRAZIL
OXYGEN AND SILICON IN DIFFUSION IN SILICA UNDER VARYNG AMBIENT CONDITIONS	INSTITUTE OF MATERIAL PHYSIC	KIRSTEN SUNDER	POSTER N° 16	GERMANY
EVOLUTION OF PRECIPITATE DEPLETED ZONES IN Mg-BASED ALLOYS STRENGTHENED BY PRECIPITATION HARDENING	TECHNION-ISRAEL INSTITUTE OF TECHNOLOGY	ALEXANDER KATSMAN	POSTER N° 17	ISRAEL
METAL DUSTING CORROSION OF 9Cr-1Mo STEEL IN PROPANE-BUTANE GAS MIXTURE	DEPARTAMENTO OF SOLID STATE CHEMISTRY	ZBIGNIEW GRZESIK	POSTER N° 18	POLAND
LITHIUM TRANSPORT PROPERTIES OF Li <sub>4</sub> TiO <sub>12</sub> PROBED BY IMPEDANCE SPECTROSCOPY AND SOLID STATE NMR-COMPARISON OF MICRO-AND NANOCRSTALLINE MATERIALS	LEIBNIZ UNIVERSITY HANNOVER	PAUL HEITJANS AND MARTIN WILKENING	POSTER N° 19	GERMANY
THE OXIDE SCALE GROWTH MECHANISM ON Fe <sub>2</sub> O <sub>3</sub> Cr <sub>5</sub> Al+RE ALLOY IN SO <sub>2</sub> +O <sub>2</sub>	CRACOW UNIVERSITY OF TECHNOLOGY	ZBIGNIEW ZUREK	POSTER N° 20	POLAND
Sb DIFFUSION IN AMORPHOUS AND POLYCRYSTALLINE Si	DEBRECEN UNIVERSITY	GABOR ERDELEI	POSTER N° 21	HUNGARY
INTERFACE WIDTH OF IMMISCIBLE LAYERED ELEMENTS	WESTF. WILHELMS-UNIVERSITÄT	GUIDO SCHMITZ	POSTER N° 22	GERMANY
REACTIVE DIFFUSION UNDER LAPLACE TENSION	WEST. WILHEMS-UNICERSITÄT	GUIDO SCHMITZ	POSTER N° 23	GERMANY
UNUSUAL BEHAVIOUR OF THE DISSOLUTIONS KINETICS OF ONE MONOLAYER OF Si IN Cu(001)	AIX-MARSEILLE UNIVERSITY-IM2NP	CHRISTOPHE GIRARDEAUX	POSTER N° 24	FRANCE
INFLUENCE OF INTERSTITIALS CONTENT ON THE DIFFUSION OF NIOBIUM IN ALLOY 718	CIRIMAT, CNRS/UPS/INPT ENSIACET	BENOIT THOMAS TER OVANESSIAN	POSTER N° 25	FRANCE

ANOMALOUS RESULTS ON SOME DIFFUSION-CONTROLLED PROCESSES IN MATERIALS: RELEVANCE TO NANOFABRICATION APPLICATIONS	TECHNICAL UNIVERSITY OF MALAYSIA	ANDREAS ÖCHSNER	POSTER N° 26	MALAYSIA
INTERRELATION BETWEEN HYDROGEN DESORPTION KINETICS AND STRUCTURE OF $(Mg_2Ni)_x$ AND HYDROGENATED EUTECTIC $(Mg/Mg_2Ni)_y$	INTITUTE OF PHYSICS OF MATERIALS	CERMAK JIRI	POSTER N° 27	CZECH REPUBLIC
EFFECT OF THE DIFUSION-CONTROLLING INTERFACE LAYER ON THE FORMATION OF $Mn_4Si_7$ SILICIDE EPITAXIAL FILM ON THE MONOCRYSTALLINE SILICON	NATIONAL TECHNICAL UNIVERSITY OF UKRAINE	IURII MAKOGON	POSTER N° 28	UKRANIE
MICROSTRUCTURE OF THE PASSIVE LAYER FORMED ON DIFFERENT AUSTENITIC STAINLESS STEELS IMPLANTED WITH MOLYBDENUM	UNIVERSIDAD DE VIGO	M <sup>a</sup> JULIA CRISTÓBAL	POSTER N° 29	SPAIN
E-MATERIALS, A WEB SITE FROM DIMAT 2000 TO DIMAT 2008	UNIVERSITÉ PARIS-SUD ORSAY	JEAN PHILIBERT	POSTER N° 30	FRANCE
COATING AND SURFACE MODIFICATION FOR A CORONARY STENT OF THE LAST GENERATION	CERAMIC SCIENCE AND TECHNOLOGY, FAENZA	RAVAGLIOLI	POSTER N° 31	ITALY
FLUORINE SELF-DIFFUSION IN NANOCRYSTALLINE $BaF_2:CaF_2$ COMPOSITES PREPARED BY HIGH-ENERGY BALL MILLING- AN IMPEDANCE AND $^{19}F$ NMR STUDY	LEIBNIZ UNIVERSITY HANNOVER	BENJAMIN RUPRECHT	POSTER N° 32	GERMANY
MODELLING OF INTERDIFFUSION PROCESSES BETWEEN $MCrAlY$ COATINGS AND Ni-BASE ALLOYS DURING LONG TERM OPERATION OF GAS TURBINE COMPONENTS	FORSCHUNGSZENTRUM JÜLICH GMBH	JAVIER PIRON ABELLAN	POSTER N° 33	GERMANY
DINAMICS OF MOBILE OXYGEN IONS IN DISORDERED PYROCHLORE-TYPE OXIDE-ION CONDUCTORS	UNIVERSIDAD COMPLUTENSE DE MADRID	CARLOS LEON	POSTER N° 34	SPAIN
NUMERICAL DETERMINATION OF INTRINSIC DIFFUSION COEFFICIENT OF ALUMINIDE COATINGS ON METALS	UNIVERSITY OF BOURGOGNE	SEBASTIEN CHEVALIER	POSTER N° 35	FRANCE

STUDY OF Al-CVD COATINGS ON FERRITIC STEELS IN CONTACT WITH Ar+20% AND 40% H <sub>2</sub> O AT 650°C BY TG-MASS SPECTROMETRY	UNIVERSIDAD COMPLUTENSE DE MADRID	SAUL CASTAÑEDA	POSTER N° 36	SPAIN
Cu DIFFUSION IN Al GRAIN BOUNDARIES	MOSCOW INSTITUTE OF STEEL AND ALLOYS	ALEXEY RODIN	POSTER N° 37	RUSSIA
SYNTHESIS AND CHARACTERIZATION OF A POROUS SILICON FILTER WITH Si <sub>3</sub> N <sub>4</sub> WHISKERS	UNIVERSIDAD SIMON BOLIVAR	JOAQUIN LIRA OLIVARES	POSTER N° 38	VENEZUELA
DETERMINATION OF DIFFUSION COEFFICIENT OF OXYGEN VACANCIES IN La <sub>0.58</sub> Sr <sub>0.4</sub> Co <sub>0.2</sub> Fe <sub>0.8</sub> O <sub>3-d</sub> PEROVSKITE TYPE OXIDES	FORSCHUNGSZENTRUM JÜLICH	DOMINIQUE SCHLEHUBER	POSTER N° 39	GERMANY
EFFECT OF THE Si ADDITIONS ON THE MECHANICAL BEHAVIOUR AND HIGH-TEMPERATURE PERFORMANCE OF HYDROGEN SINTERED 434L STAINLESS STEELS	UNIVERSIDAD CARLOS III DE MADRID	FRANCISCO VELASCO	POSTER N° 40	SPAIN
INFLUENCE OF THE PROCESSING PARAMETERS ON THE NATURE OF OXIDES FORMED ON SINTERED STAINLESS STEELS DURING HIGH-TEMPERATURE EXPOSURES	UNIVERSIDAD CARLOS III DE MADRID	ASUNCION BAUTISTA	POSTER N° 41	SPAIN
COMPOSITION AND MICROSTRUCTURES OF PLATINUM MODIFIED ALUMINIDE COATINGS ON CMSX-4 SINGLE CRYSTAL SUPERALLOY	UNIVERSITÉ DE LA ROCHELLE	FERNANDO PEDRAZA	POSTER N° 42	FRANCE
INTERDIFFUSION STUDIES IN Au-Ti SYSTEM	INDIAN INSTITUTE OF SCIENCE - BANGALORE	PAUL ALOKE	POSTER N° 44	INDIA
POST-DISCHARGE NITRIDING: MATHEMATICAL MODELING AND NUMERICAL SIMULATION OF THE LAYER GROWTH	ITESM-CEM	FRANCISCO CASTILLO	POSTER N° 45	MEXICO
DIFFUSION OF TITANIUM AND NICKEL IN B2 NiTi	UNIVERSITY OF MÜNSTER	SERGIY DIVINSKI	POSTER N° 46	GERMANY
ESTABLISHMENT OF THERMALLY GROWN OXIDES UPON THE EARLY OXIDATION STAGES OF Ni <sub>20</sub> Cr AND Ni <sub>30</sub> Cr	UNIVERSITY OF LA ROCHELLE	BOUCHARD BAPTISTE	POSTER N° 47	FRANCE
HYDROGEN EMBRITTLEMENT OF HIGH STRENGTH STEELS	IETCC-ICMM (CSIC)	JAVIER SANCHEZ	POSTER N° 50	SPAIN

GRAIN BOUNDARY DIFFUSION OF Fe IN HIGH-PURITY COPPER	UNIVERSITY OF MÜNSTER	SERGIY DIVINSKI	POSTER N° 51	GERMANY
AN INSIGHT ON THE INFLUENCE OF ION IMPLANTATION ON THE PITTING CORROSION RESISTANCE OF AISI 430 STAINLESS STEEL.	UNIVERSIDAD DE VIGO	GLORIA PENA	POSTER N° 52	SPAIN
STUDY OF THE ROLE OF SMALL ADDITIONS OF Zr IN THE CVD-FBR ALUMINIZATION PROCESS.	UNIVERSIDAD COMPLUTENSE DE MADRID	LAURA SANCHEZ	POSTER N° 53	SPAIN
DIFFUSION AND INFLUENCE OF PHASE TRANSFORMATION OF SOORBITE TO TROOSTITE ON THE FORGED STEEL COLD ROLLS	IROST (IRANIAN ORGANIZATION FOR SCIENCE AND TECHNOLOGY)	ALI AKBAR MOTTAHEDI	POSTER N° 54	IRAN
STUDY AND DEVELOPMENT OF THE CATHODIC METHOD FOR THE DESALINATION PLANT LOCATED IN ARAUCA-MOYA IN LAS PALMAS OF GRAN CANARIA	CONSTRUCCION DESALACIÓN DE ACCIONA. S.A., ANTICORROSIÓN Y SEGURIDAD. S.L.	GUILLERMO RUIZ	POSTER N° 55	SPAIN
A FORMULA FOR INCREASED HARDNESS AND/OR DUCTILITY IN TIN-BASED THIN FILMS AND $\gamma$ -TIAL COMPOUNDS	THIN FILM PHYSICS, LINKÖPING UNIVERSITY	VALERIU CHIRITA	POSTER N° 56	SWEDEN
STUDY OF OXYGEN DIFFUSION IN Bi <sub>2</sub> O <sub>3</sub> - DOPED ZnO	UNIVERSIDADE FEDERAL DE OURO PRETO - BRASIL	SABIONI	POSTER N° 57	BRASIL
THE NATURE OF THE VACANCY-WIND EFFECT IN DIFFUSION	THE UNIVERSITY OF NEWCASTLE	GRAEME MURCH	POSTER N° 58	AUSTRALIA
DIFFUSION ENHANCED RUMPLING ASSOCIATED WITH MARTENSITIC TRANSFORMATION UPON CYCLING OF ALUMINIDE BOND-COATS	UNIVERSITY OF LA ROCHELLE	BOUCHARD BAPTISTE	ORAL N° 2	FRANCE
DIFFUSION OF A CORRODING ELECTROLYTE THROUGH DEFECTIVE ELECTROPLATED CERIA BASED COATINGS	UNIVERSITY OF LA ROCHELLE	SYLVAIN POUPARD	ORAL N° 3	FRANCE
MAGNETIC COUPLING IN La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> /YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub> /La <sub>0.7</sub> Ca <sub>0.3</sub> MnO <sub>3</sub> TRILAYERS	UNIVERSIDAD COMPLUTENSE DE MADRID	JACOBO SANTAMARIA	ORAL N° 4	SPAIN
DIFFUSION CHARACTERISTICS OF NANOSIZED LIQUID Pb PARTICLES ATTACHED TO FIXED DISLOCATIONS IN ALUMINIUM	INSTITUTE OF SOLID STATE PHYSICS RAS	SERGEI PROKOFJEV	ORAL N° 5	RUSSIA
DIFFUSION STUDIES IN BETA-NiAl SYSTEM	INDIAN INSTITUTE OF SCIENCE	ALOKE PAUL	ORAL N° 6	INDIA

THE ELECTROLYTIC ACTUATOR - AN EFFECT DOMINATED BY DISSIPATIVE CURRENTS	AIRBUS	PAOLA CARACCILO	ORAL N° 7	GERMANY
GAS NITRIDING OF Ti6Al4V IN A SOLAR FURNACE	UNIVERSITY OF CASTILLA-LA MANCHA	GEMMA HERRANZ	ORAL N° 8	SPAIN
DIFFUSION MECHANISM AND KINETICS OF THE INTERMETALLICS GROWTH IN Ag/Ag INTERCONNECTIONS - THEORY AND EXPERIMENT	AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	ROBERT FILIPEK	ORAL N° 10	POLAND
NOVEL CrAlYN/CrN SUPERLATTICE COATINGS DEPOSITED BY THE COMBINED HIGH POWER IMPULSE SPUTTERING/ UNBALANCED MAGNETRON SPUTTERING TECHNIQUE FOR ENVIRONMENTAL PROTECTION OF $\gamma$ -TiAl ALLOYS	SHEFFIELD HALLAM UNIVERSITY. GERMAN AEROSPACE CENTER. UNIVERSITY OF NORTHUMBRIA. UNIVERSITY OF SHEFFIELD	P. EH. HOVSEPIAN	ORAL N° 11	UNITED KINGDOM
EMISSION MÖSSBAUER SPECTROSCOPY OF GRAIN BOUNDARIES IN POLY-AND NANOCRYSTALLINE METALS	URAL DIVISION OF RUSSIAN ACADEMY OF SCIENCES	VLADIMIR POPOV	ORAL N° 13	RUSSIA
KINETICS OF FORMATION OF Ni AND Pd SILICIDES: DETERMINATION OF INTERFACIAL MOBILITY AND INTERDIFFUSION COEFFICIENT BY IN-SITU TECHNIQUES	IM2NP-CNRS-UMR 6242	DOMINIQUE MANGELINCK	ORAL N° 14	FRANCE
TUNING THE Li <sup>+</sup> AND F <sup>-</sup> DIFFUSIVITY OF SINGLE- AND TWO-PHASE IONIC CONDUCTORS BY MECHANICAL TREATMENT	LEIBNIZ UNIVERSITY HANNOVER	MARTIN WILKENING	ORAL N° 15	GERMANY
CONCENTRATION SIGNATURE OF DIFFUSION-INDUCED RECRYSTALLIZATION	WEST.WILHELMS	GUIDO SCHMITZ	ORAL N° 16	GERMANY
FAST IMPURITY DIFFUSION IN CIGS THIN FILM SOLAR CELL STRUCTURES	INTITUT FÜR MATERIALPHYSIK	NICOLAAS A. STOLWIJK	ORAL N° 19	GERMANY
IONIC TRANSPORT IN SOFT CONDENSED AND LIQUID MATTER CHARACTERIZED BY THE SIMULTANEOUS EVALUATION OF SELF-DIFFUSION, CONDUCTIVITY, AND VISCOSITY DATA	INSTITUT FÜR MATERIALPHYSIK	NICOLAAS A. STOLWIJK	ORAL N° 20	GERMANY
GRAIN BOUNDARY DIFFUSION IN RECRYSTALLIZING NANOCRYSTALLINE MATERIALS	DEPARTMENT OF MATERIALS ENGINEERING	LEONID KLINGER	ORAL N° 22	ISRAEL

ALKALINE-EARTH DIFFUSION IN MIXED CATION GLASSES	INSTITUTE OF MATERIAL PHYSIC	MICHAEL GROFMEIER	ORAL N° 23	GERMANY
CHARACTERIZATION OF THE OXIDE/METAL INTERFACE OF FLOURINE TREATED TITANIUM ALUMINIDES	DECHEMA	PATRICK J. MASSET	ORAL N° 25	GERMANY
AB-INITIO STUDY OF THE STABILITY OF NEUTRAL SILICON DEFECTS IN SILICON CARBIDE AND ON THEIR EVOLUTION	CEA-SACLAY	GUIDO ROMA	ORAL N° 26	FRANCE
ON THE FORMATION OF UNUSUAL DIFFUSION PROFILES IN $Cd_x Zn_{1-x} Te$ CRYSTALS AFTER IMPLANTATION OF DIFFERENT ELEMENTS	UNIVERSITAET DES SAARLANDES	HERBERT WOLF	ORAL N° 27	GERMANY
OXYGEN UPTAKE AND DIFFUSION IN MAYENITE	TU CLAUSTHAL	MARTIN KILO	ORAL N° 28	GERMANY
EVOLUTION OF CONCENTRATION PROFILES AND DIFFUSION PATHS IN SINGLE-PHASE MULTICOMPONENT MULTILAYERED ASSEMBLIES	PURDUE UNIVERSITY	MYSORE DAYANANDA	ORAL N° 29	USA
FORMATION OF A NANO-HOLE VIA OXIDATION OF METAL NANOPARTICLES	OSAKA UNIVERSITY	RYUSUKE NAKAMURA	ORAL N° 30	JAPAN
ISOTOPE FRACTIONATION DUE TO SEDIMENTATION OF ATOMS IN CENTRIFUGED INDIUM-LEAD ALLOY	JAPAN ATOMIC ENERGY AGENCY (JAEA)	MASAO ONO	ORAL N° 31	JAPAN
EFFECT OF A LOW-CONCENTRATION $H_3PO_4$ SOLUTION APPLICATION ON HIGH-TEMPERATURE BEHAVIOUR OF Ti AND Ti-Al ALLOYS	UNIVERSITÉ DE LA ROCHELLE	GILLES BONNET	ORAL N° 32	FRANCE
KINETIC DEMIXING OF A DILUTE SOLUTE IN A BINARY OXIDE EXPOSED TO AN OXYGEN POTENTIAL GRADIENT AND ELECTRIC FIELD	THE UNIVERSITY OF NEWCASTLE	IRINA V. BELOVA	ORAL N° 33	AUSTRALIA
ANOMALOUS NANO STRUCTURE $Bi_x Pb_y$ INTERMETALLIC COMPOUNDS FORMED UNDER STRONG GRAVITATIONAL FIELD	KUMAMOTO UNIVERSITY	MASHIMO TSUTOMU	ORAL N° 34	JAPAN
SEDIMENTATION OF IMPURITY ATOMS IN $InSb$ SEMICONDUCTOR UNDER A STRONG GRAVITATIONAL FIELD	KUMAMOTO UNIVERSITY	YUSUKE IGUCHI	ORAL N° 35	JAPAN

EFFECT OF STRONG-GRAVITATIONAL FIELD ON TWINNED $Y_1Ba_2Cu_3O_{7-x}$ SINGLE CRYSTAL	KUMAMOTO UNIVERSITY	RABAYA BAGUM	ORAL N° 36	JAPAN
STOCHASTIC SEARCHING OF DIFFUSIVITY IN MULTICOMPONENT ALLOYS BY HIERARCHICAL GENETIC STRATEGY	AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY	BARTEK WIERZBA	ORAL N° 37	POLAND
ORDER-ORDER KINETICS IN TRIPLE-DEFECT B2 BINARY INTERMETALLICS. MONTE CARLO SIMULATION	JAGELLONIAN UNIVERSITY	ANDRZEJ BIBORSKI	ORAL N° 39	POLAND
STRUCTURAL INVESTIGATIONS OF SOLIDIFICATION AND HEAT TREATMENTS INFLUENCE ON HIGH ALLOYED CAST IRONS GRADES WITH Nb-V-Ti ADDITIONS	UNIVERSITY OF LIEGE	JEROME TCHOUFANG	ORAL N° 40	BELGIUM
REACTION DIFFUSION IN GaSb/Co METALLIZATION CONTACTS DURING THERMAL PROCESSING	EINDHOVEN UNIVERSITY OF TECHNOLOGY, LAB OF MATERIALS AND INTERFACE CHEMISTRY	ALEXANDER KODENTSOV	ORAL N° 41	THE NETHERLANDS
JUMP FREQUENCIES OF Cd TRACER ATOMS IN $L1_2$ LANTHANIDE GALLIDES	WASHINGTON STATE UNIVERSITY	GARY S. COLLINS	ORAL N° 42	USA
INFLUENCE OF BETA STABILITY ON HYDROGEN DIFFUSION IN VARIOUS BETA TITANIUM ALLOYS	UNIVERSITÄT SIEGEN, INSTITUT FÜR WERKSTOFFTECHNIK	CHRIST HANS-JÜRGEN	ORAL N° 43	GERMANY
INTERFACE DIFFUSION IN Cu PROCESSED BY MEANS OF SURFACE MECHANICAL ATTRITION TREATMENT	INSTITUTE OF METALS RESEARCH -CAS	ZHENBO WANG	ORAL N° 44	CHINA
GRAIN BOUNDARY DIFFUSION OF Ni IN ULTRA-FINE GRAIN COPPER-LEAD ALLOY PRODUCED BY EQUAL CHANNEL ANGULAR PRESSING	UNIVERSITY OF MÜNSTER	JENS RIBBE	ORAL N° 45	GERMANY
SELF PROPAGATING EXOTHERMIC REACTIONS OF Ni-AI MULTILAYERS FOR APPLICATIONS IN NANOSCALE HEATING SOURCES	UNIVERSITY OF CYPRUS	KONRAD FADENBERGER	ORAL N° 46	CYPRUS
THERMAL STABILITY AND DECOMPOSITION OF METASTABLE HARD COATINGS	MONTAUNIVERSITÄT LEOBEN	PAUL HEINZ MAYRHOFFER	ORAL N° 47	AUSTRIA
INFLUENCE OF PULSE MAGNETIC FIELD ON Al-HETERODIFFUSION IN $\alpha$ -Fe	SAMARA STATE UNIVERSITY	ALEXANDER POKOEV	ORAL N° 48	RUSSIA
SURFACE-SANDWICH SEGREGATION PHENOMENA IN BIMETALLIC Ag-Ni AND Pd-Ni NANOPARTICLES: A MOLECULAR DYNAMICS STUDY	THE UNIVERSITY OF NEWCASTLE	ELENA V. LEVCHENKO	ORAL N° 49	AUSTRALIA

NON-EQUILIBRIUM GRAIN BOUNDARIES IN ULTRAFINE GRAIN COPPER ALLOYS PRODUCED BY EQUAL CHANNEL ANGULAR PRESSING	DEPARTMENT OF MATERIALS ENGINEERING TECHNION-ISRAEL	EUGEN RABKIN	ORAL N° 50	ISRAEL
A UNIFIED APPROACH TO LASER ABLATION OF MATERIALS	ICMA (CSIC-UNIV ZARAGOZA)	XERMAN DE LA FUENTE	ORAL N° 51	SPAIN
VERIFICATION OF A COMMERCIAL CALPHAD DATABASE FOR Re AND Ru CONTAINING NICKEL-BASE SUPERALLOYS	UNIVERSITY OF ERLANGEN. DEPARTMENT OF MATERIALS SCIENCE AND ENGINEERING	RALF RETTING	ORAL N° 52	GERMANY
DIFFUSION OF OXYGEN IN THERMALLY GROWN OXIDE SCALES	UNIVERSITY OF BOURGOGNE	SEBASTIEN CHEVALIER	ORAL N° 53	FRANCE
EVALUATION OF Si COATING ON FERRITIC STEELS BY CVD-FBR TECHNOLOGY IN STEAM OXIDATION	UNIVERSIDAD COMPLUTENSE DE MADRID	F.J BOLIVAR	ORAL N° 54	SPAIN
THE INFLUENCE OF STRESS ON INTERSTITIAL DIFFUSION - CARBON DIFFUSION DATA IN AUSTENITE REVISITED	TECHNICAL UNIVERSITY OF DENMARK	THOMAS L. CHRISTIANSEN	ORAL N° 55	DENMARK
CONCENTRATION DEPENDENT DIFFUSION COEFFICIENT OF CARBON IN EXPANDED AUSTENITE	TECHNICAL UNIVERSITY OF DENMARK	THOMAS S. HUMMELSHOEJ	ORAL N° 56	DENMARK
THE EFFECT OF AUSTENITE GRAIN SIZE ON THE GROWTH OF DIFFERENT FERRITE MORPHOLOGIES IN A Nb-MICROALLOYED STEEL	IROST (IRANIAN RESEARCH ORGANIZATION FOR SCIENCE AND TECHNOLOGY)	MOHAMMAD ESMAILIAN	ORAL N° 57	IRAN
LONG TERM DIFFUSION STUDIES IN Fe ALUMINIDE COATINGS DEPOSITED BY SLURRY APPLICATION ON FERRITIC STEEL	INTA	ALINA AGÜERO	ORAL N° 58	SPAIN
TIME-TEMPERATURE EVOLUTION OF NITROGEN CONCENTRATION PROFILES OF ION IMPLANTED STAINLESS STEEL AND TITANIUM ALLOYS	AIN- CENTRE OF ADVANCED SURFACE ENGINEERING	RAFAEL J. RODRÍGUEZ	ORAL N° 59	SPAIN
ATOM REDISTRIBUTION DURING CO-DOPED AMORPHOUS SILICON CRYSTALLIZATION	AIX-MARSEILLE UNIVERSITE	PORTAVOCE ALAIN	ORAL N° 60	FRANCE
COMPUTER SIMULATION OF DIFFUSION IN DILUTE AL-Fe ALLOYS	MOSCOW INSTITUTE OF STEEL AND ALLOYS	A.RODIN	ORAL N° 61	RUSSIA
GRADED NITROGEN INGRESS IN FCC METALLIC STRUCTURES AND RELATED MICROSTRUCTURES AND HIGH TEMPERATURE OXIDATION BEHAVIOUR	UNIVERSITÉ DE LA ROCHELLE	FERNANDO PEDRAZA	ORAL N° 62	FRANCE

ON THE MECHANISM OF $\text{Cu}_2\text{O}$ OXIDATION AT HIGH TEMPERATURES	AGH UNIVERSITY OF SCIENCE AND TECHNOLOGY	ZBIGNIEW GRZESIK	ORAL N° 63	POLAND
COMPOSITION EFFECT ON SHRINKAGE OF HOLLOW BINARY ALLOY NANOSPHERES	THE UNIVERSITY OF NEWCASTLE	ALEXANDER EVTEEV	ORAL N° 64	AUSTRALIA
FABRICATION OF MULTILAYERED FLAKE POWDERS AND MULTIPHASE NANOPARTICLES BY FBR-CVD	UNIVERSITAT RAMON LLULL	CARLES COLOMINAS	ORAL N° 65	SPAIN
SCANNING KELVIN PROBE STUDY ON THE STABILITY OF THE STEEL/COATING INTERFACES CONTAMINATED BY SOLUBLE SALTS	CENIM/CSIC	DANIEL DE LA FUENTE	ORAL N° 66	SPAIN
FOLLOWING THE FIRST STEPS OF UV DEGRADATION OF HIGH DENSITY POLYETHYLENE BY FLUORESCENCE SPECTROSCOPY	UNIVERSITY OF LA ROCHELLE	LUDOVIC DOUMINGE	ORAL N° 67	FRANCE
COMPUTATIONAL ENVIRONMENT FOR SIMULATIONS OF INTER- AND ELECTRO- DIFFUSION	AGH UNIVERSITY OF SCIENCE & TECHNOLOGY	ROBERT FILIPEK	ORAL N° 68	GERMANY
CRYSTALLIZATION KINETICS OF MAGNETRON SPUTTERED AMORPHOUS $\text{SiC}$ FILMS	ORGANISATION TU CLAUSTHAL, INSITUT FÜR METALLURGIE	WOLFGANG GRUBER	ORAL N° 69	GERMANY
STUDIES OF THE EFFECTIVENESS OF CERTAIN HIGH PERFORMANCE COATINGS IN PREVENTING HOT CORROSION DEGRADATION OF $\text{Ti-Al}$ ALUMINIDE ALLOYS	NORTHUMBRIA UNIVERSITY AT NEWCASTLE	TOMASZ, PAWEL DUDZIAK	ORAL N° 70	UNITED KINGDOM
A THERMODYNAMIC APPROACH OF THE MECHANOCHEMICAL COUPLING DURING THE OXIDATION OF URANIUM DIOXIDE	INSTITUT CARNOT DE BOURGOGNE	NICOLAS CRETON	ORAL N° 71	FRANCE
SURFACE ALLOYING OF AISI H13 STEEL DURING ELECTRICAL DISCHARGE MACHINING (EDM)	UNIVERSITY OF CASTILLA LA MANCHA (UCLM)	GLORIA P. RODRÍGUEZ	ORAL N° 73	SPAIN
ION COMPOSITION PRODUCED BY HIPIMS DISCHARGES NEAR THE SUBSTRATE	SHEFFIELD HALLAM UNIVERSITY	A.P. EHIASARIAN	ORAL N° 74	UNITED KINGDOM
FIRST PRINCIPLE CALCULATIONS OF THE INSERTION AND DIFFUSIONAL ATOMIC AND MOLECULAR OXYGEN IN NICKEL	CIRIMAT	CLAUDE MIJOULE	ORAL N° 75	FRANCE

MOTION OF CADMIUM TRACER ATOMS IN Al <sub>11</sub> R <sub>3</sub> PHASES (R=La,Ce,Pr)	WASHINGTON STATE UNIVERSITY	GARY S. COLLINS	ORAL N° 76	USA
DETERMINATION OF AG GRAIN BOUNDARY DIFFUSION COEFFICIENT IN Pd/Ag SYSTEM FROM MEASUREMENTS IN C KINETICS	UNIVERSITY OF DEBRECEN	ZOLTAN BALOGH	ORAL N° 77	USA
OXIDATION AND INTERDIFFUSION STUDIES OF (Cr <sub>1-x</sub> Al <sub>x</sub> ) <sub>y</sub> Y <sub>1-y</sub> N FILMS ON γ-TiAl	MONTANUNIVERSITÄT LEOBEN	FLORIAN ROVERE	ORAL N° 78	AUSTRIA
THERMAL STABILITY AND CREEP BEHAVIOUR OF MgNiYCe-RICH MISCHMETAL ALLOYS PROCESSED BY A POWER METALLURGY ROUTE	CENTRO NACIONAL DE INVESTIGACIONES METALÚRGICAS-CSIC	PALOMA ADEVA	ORAL N° 79	SPAIN
DIFFUSION BASED DOPING OF GALLIUM OXIDE NANOWIRES WITH OPTICALLY ACTIVE IONS	UNIVERSIDAD COMPLUTENSE DE MADRID	EMILIO NOGALES	ORAL N° 80	SPAIN
INFLUENCE OF Y CONTENT AND MICROSTRUCTURE ON THE THERMAL STABILITY AND OXIDATION RESISTANCE OF Ti-Al-Y-N THIN FILMS	DEPARTMENT OF PHYSICAL METALLURGY AND MATERIALS TESTING, MONTANUNIVERSITÄT LEOBEN	M. MOSER	ORAL N° 81	AUSTRIA
OXIDATION BEHAVIOUR OF STAINLESS STEEL MATRIX TiC AND TiC+TiB <sub>2</sub> SHS POWDERS FOR A THERMAL SPRAY PROCESS	UNIVERSITY OF BARCELONA	JAVIER FERNÁNDEZ	ORAL N° 82	SPAIN
CHARACTERIZATION OF INTERMETALLIC LAYER WITH NANORESOLUTION USING X-RAY STANDING WAVE TECHNIQUE	UNIVERSITY OF DEBRECEN	C. CSERHATI	ORAL N° 84	HUNGARY
A METHODOLOGY TO DEDUCE THE MICROSTRUCTURAL SPATIAL DEFORMATION OF POLYCRYSTALLINE STRUCTURES: APPLICATION TO THE ALLOY 600	UNIVERSITÉ DE BOURGOGNE	AURÉLIE CLAIR	ORAL N° 85	FRANCE
DIFFUSION ALUMINIDE COATINGS USING SPHERICAL MICRO-SIZED ALUMINIUM PARTICLES	INSTITUTE FÜR CHEMISCHE TECHNOLOGIE ICT	MARIA DEL MAR JUEZ LORENZO	ORAL N° 86	GERMANY
BEHAVIOUR OF ALUMINIDE DIFFUSION COATINGS ON HCM12-A STEEL BY Al/Ce and Al/La CVD-FBR in OXIDATION	UNIVERSIDAD COMPLUTENSE DE MADRID	LAURA SANCHEZ	ORAL N° 90	SPAIN