SCIENTIFIC AND SOCIAL PROGRAM

Program at a glance

Sunday, June 10

15:00 - 19:00: Welcome and registration – *refreshments from 17:00*

Monday, June 11

7:45 - 8:30: Registration
8:30 - 8:45: Welcoming ceremony
8:45 - 18:00: Scientific sessions
18:00 - 19:00: Informal cocktail party (tasting of wines and local products)

Tuesday, June 12

8:45 - 15h25: Scientific sessions
15:45 - 18:30: Poster sessions
17: 00: Refreshments
19:15: International Advisory Board members meeting/dinner

Wednesday, June 13

8:45 - 17:00: Scientific sessions
18:45: Welcoming drink at the City Hall of Nancy (Place Stanislas)
19:30: Gala dinner in the «Grands Salons» of Nancy City Hall

Thursday, June 14

8:45 - 12h35: Scientific sessions
12:35 - 12:50: Closing ceremony
13:00: Lunch and end of conference

7:45 - 8:30 Registration

Plenary session

WELCOMING CEREMONY (Room Daum)

8:30 - 8:45	D. Waite, President of the International Advisory Board for IAP conferences J.F.L. Duval, IAP2012 Conference Chair

To be continued on page 9

Parallel sessions

SESSION B: RESOURCES AND INTERFACES (Room Daum)

Chair: J. Rose

14:00	KB1	P.M. Biesheuvel	Water desalination using capacitive deionization
14:25	RB1	B. Prélot	On the real performance of solid-solution systems in industrial wastewater treatment: comparison between organic and inorganic ion exchangers
14:45	RB2	M. Barczak	Thiol-functionalized SBA-15 mesoporous silicas as sorbents of platinum (IV) ions
15:05	RB3	M. Bessho	Silica coating on weathered pyrite waste rocks to prevent acid mine drainage

15:45 – 16:05 Coffee break

Chair : P.M. Biesheuvel

16:05	RB4	B. Thiele	Oxidative degradation of sulfonamides by birnessite
16:25	RB5	C. Miller	Visible light-mediated degradation of contaminants by application of Ag@AgCl photocatalysts embedded on reduced graphene oxide
16:45	RB6	Yulun Nie	Efficient inhibition of bromate formation by surface reduction on β-FeOOH/Al_2O_3 with ozone
17:05	RB7	Xiaoliang Liang	The effect of transition metal substitution on the catalytic activity of magnetite in heterogeneous fenton reaction: in interface view
17:25	RB8	P. Faure	Degradation of organic pollutants in ancient coking plant soils: reactive minerals effects during air oxidation

18:00 - 19:00 - Informal cocktail party (tasting of wines and local products)

Monday, June 11

Plenary session

SESSION A: SYNCHROTRON SOURCE AS A TOOL IN ENVIRONMENTAL SCIENCE (Room Daum)

Chair : L.J. Michot

08:45	IA1	T. Schäfer	Interfacial processes on colloids and rock surfaces investigated by laser- and synchrotron based spectromicroscopic techniques
09:30	RA1	C. Rivard	Combination of multi-scales and multi-edges X-ray spectroscopies for the investigation of kaolinite and metallic iron interactions
09:50	RA2	D. Waite	Fe(II)-mediated transformation of ferrihydrite to goethite and associated reduction of U(VI) to U(V): thermodynamic and kinetic considerations
10:15	KA1	N. Janot	Speciation of uranium(IV) species in a bioreduced aquifer

10:40 – 10:55 Coffee break

Chair : D. Waite

10:55	RA4	E. Montargès-Pelletier	Distribution and speciation of nickel in hyperaccumulating plants from south africa
11:15	RA5	C. Quantin	Chromium speciation and dynamics in tropical ultramafic soils: a synchrotron based study
11:35	RA6	I. Bihannic	Textural organisation of clay-rich anisotropic porous materials: a neutron scattering study.

11:55 - 14:00 - Lunch

Parallel sessions

SESSION C: INTERFACIAL PROCESSES (Room Gallé)

Chair : M. Avena

14:00	IC1	L.K. Koopal	Humic acids: dissolution and adsorption kinetics
14:45	RC1	Panyue Zhang	Adsorption of methylene blue by humic acid-coated Fe_3o_4 nanoparticles
15:05	RC2	J. Gregory	The interaction between humic acid and aluminium coagulants at different pH values
15:25	RC3	P.E. Reiller	Characterization of humic acid reactivity modifications due to adsorption onto α Al_2O_3

15:45 – 16:05 - Coffee break

Chair : B.L.T. Lau

16:05	KC1	T.H. Nguyen	Transport of biocolloids in a silicon micromodel
16:30	RC4	R. Zimmermann	Design and physicochemical properies of thermo-responsive copolymer films for applications in marine environments
16:50	RC5	E. Lamy	Efect of dual porosity on colloidal transport under saturated and unsaturated flow conditions
17:10	RC6	S. Barany	Flocculation of suspensions by polyelectrolyte mixtures and its use in water treatment
17:30	RC7	Y. Adachi	Initial stage dynamics of flocculation of psl particles induced by an excess addition of polyelectrolytes under high ionic strength

18:00 - 19:00 - Informal cocktail party (tasting of wines and local products)

Tuesday, June 12

Plenary session

SESSION D: ENVIRONMENTAL COLLOIDS AND INTERFACES (Room Daum)

Chair : F. Thomas

08:45 - 09:30	ID1	H.P. Van Leeuwen	Physicochemical dynamics of aquatic nanoparticulate metal complexes

Parallel sessions

SESSION D: ENVIRONMENTAL COLLOIDS AND INTERFACES (Room Daum)

Chair : R. Kretzschmar

09:35	KD1	T. Saito	Size and elemental analyses of nano-colloids in deep granitic groundwater: implications for transport of trace elements
10:00	RD1	A. Fritzsche	Occurence of nano-sized, dispersed ferrihydrite aggregates in soil effluents
10:20	RD2	C. Gantzer	Determination of surface properties of viral particles: a challenge to explain their fate In aquatic media

10:40 – 11:00 - Coffee break

Chair : J.F.L. Duval

11:00	RD3	R. M. Town	Chemodynamics of metal complexation by natural heterogeneous soft colloids
11:20	RD4	J. Rose	Mechanisms of formation and reactivity of imogolite types material
11:40	RD5	G. Francius	Soft biological interfaces: physico-chemical properties investigated by atomic force spectroscopy
12:00	RD6	J. Braunschweig	Colloid generation from ferrihydrite macroaggregates by organic compounds enhances microbial reduction rates

12:30 – 14:00 - Lunch

Chair : T. Saito

14:00	KD2	G. Cuello	Neutron diffraction in earth and environmental sciences
14:25	RD7	H. El Hadri	Colloidal copper mobilisation from vineyard soils by field-flow fractionation
14:45	RD8	T. Polubesova	Dom-affected transformation of contaminants on mineral surfaces
15:05	RD9	Wenfeng Tan	Shape evolution synthesis of α-Fe_2O_3 nanoparticles by ascorbic acid and their catalyzed degradation of methylene blue

15:40 – 16:00 - Coffee break

16:00 - 18:30 - Poster session

17h00 - Refreshments

19:15 - International Advisory Board members meeting/dinner

Tuesday, June 12

Parallel sessions

SESSION E: NANOPARTICLES IN THE ENVIRONMENT (Room Gallé)

Chair : E. Tombacz

09:35	KE1	E. Michel	How can magnetic resonance imaging (MRI) and particulate contrast agents with finely tuned interfacial properties help understanding particle transport in soil.
10:00	RE1	E. Klumpp	Transport and deposition of nanoparticles in (model) soils
10:20	RE2	J. Labille	Transfer of TiO_2 nanoparticles in a sandy porous medium driven by the adsobing natural organic matter

10:40 – 11:00 - Coffee break

Chair : Hong He

11:00	RE3	Lian Wang	Bactericidal activity of Ag/CeO_2 catalysts against *Escherichia coli*
11:20	RE4	C. Hurel	Nanoscale TiO_2 particles: relationship between surface properties and toxicity measurements
11:40	RE5	M. Garaud	Multibiomarker assessment of cerium and titanium dioxide nanoparticles ($NCeO_2$ and $NTiO_2$) sublethal effects on freshwater invertebrates
12:00	RE6	M. Planchon	Interactions between microorganisms and TiO_2 nanoparticles in natural water

12:30 – 14:00 - Lunch

Chair : L.K. Koopal

14:00	RE7	C. Rey-Castro	Relevance of interfacial phenomena for the fate and behaviour of synthetic ZnO nanoparticles in aqueous environments
14:20	RE8	Yongsheng Chen	Aggregation of cerium oxide nanoparticles in aqueous solution
14:40	RE9	E. Tombacz	Adsorption of organic acids on magnetite nanoparticles, pH-dependent colloidal stability and salt tolerance
15:00	RE10	D.J. Lapworth	Characterising nanoparticles in sub-oxic environments
15:20	RA3	R. Kretzschmar	Formation of Cu(0) and CuxS nanoparticles in a contaminated floodplain soil and its influence on Hg dynamics ***(shifted from session A)***

15:40 – 16:00 - Coffee break

16:00 - 18:30 - Poster session

17:00 - Refreshments

19:15 - International Advisory Board members meeting/dinner

Wednesday, June 13

Parallel sessions

SESSION B: RESOURCES AND INTERFACES (Room Daum)

Chair : H.P. van Leeuwen

08:45	KB2	O. Johnson	Exploratory research: low-frequency acoustic energy-enhanced bacterial transport in porous media
09:10	RB9	T. Kone	Numerical and experimental investigation of coupled processes affecting transport of an organic pollutant in biofilm-coated porous media
09:30	RB10	Lin Li	Microbial and chemical characteristics in the removal of landfill odors by an integrated-bioreactor
09:50	RB11	G. Echevarria	Modelling nickel mobility in mining spoils from ultramafic laterites
10:10	RB12	R.A. Kristanti	Sustainable degradation of nitrophenols in the rhizosphere of *Spirodela polyrrhiza* using rhizoaugmentation

10:30 – 10:50 - Coffee break

Chair : A. Dabrowski

10:50	RB13	S.S. Nielsen	Stabilization of arsenic, chromium and copper polluted soil by iron oxide amendment
11:10	RB14	T. Wajima	Removal behavior of phosphate from aqueous solution by calcined paper sludge
11:30	RB15	Hongjie Wang	Effect of calcination on the stability and leachability of arsenic in the arsenic bearing ferric and manganese binary oxide
11:50	RB16	Chengzhi Hu	Copper-cyanide complex removal by a novel dual function polyaluminum chloride
12:10	RB17	H.T.B.M. Petrus	Separation of tennantite from chalcopyrite: atomic force microscopy and UV-vis spectroscopy study

12:30 – 14:00 - Lunch

Chair : E. Klumpp

14:00	RB18	O. Riba	Reactivity and fate of iron and iron/nickel nanoparticles in uranium contaminated water
14:20	RB19	Chih-Chao Wu	Using chlorine dioxide as pre-oxidation combine with low ph coagulation to enhance the removal of natural organic matters.
14:40	RB20	Haibo Wang	Combined uv light and chlorine disinfection of reclaimed water: effects on corrosion and water quality within distribution systems
15:00	RB21	C. Meyer	Development of an in situ remediation technology for btex-contaminated groundwater by the use of iron oxide nanoparticles
15:20	RB22	D.E. Akretche	Electroremediation of drilling muds using facilitating agents

15:40 – 16:00 - Coffee break

Chair : Lin Li

16:00	RB23	Yuxuan Wang	Evaluating china's bc emission inventory using bc to co ratios: integrated analysis of ***in situ*** observations and modeling
16:20	RB24	S.K. Sharma	Microbial approach: an aid to environment regeneration – a case study from india
16:40	RB25	Yafei Wang	Catalytic oxidation of o-xylene over pallidium supported on Co_3O_4 catalyst

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Wednesday, June 13

Parallel sessions

SESSION C: INTERFACIAL PROCESSES (Room Gallé)

Chair : Y. Adachi

08:45	KC2	B.L.T. Lau	Adsorption of metal-based nanoparticles: the importance of surface modification from simple to complex organics
09:10	RC8	J. Krüger	Restructuring of organic coatings upon drying: consequences for the accessibility of sorption sites
09:30	RC9	K. Sasaki	Sorption of borate on calcined products of natural dolomite: effect of calcination temperatures
09:50	RC10	B. Campredon	Modelling As(V) sorption behavior on natural and purified illite
10:10	RC11	M. Hebrant	Reactivity of colloidal suspensions of organically modified silica toward metal ions, kinetics and thermodynamic aspects

10:30 – 10:50 - Coffee break

Chair : S. Barany

10:50	RC12	J. Puy	Impact of ionic strength and resin thickness on metal accumulation in diffusive gradients in thin films (DGT)
11:10	RC13	I. Zelano	Nickel (bio)availability in ultramafic systems from goias, brazil: an overlook of the soil compartments.
11:30	RC14	Qingxin Ma	Heterogeneous reaction of acetic acid on MgO, alpha-Al_2O_3, and $CaCO_3$ and the effect on the hygroscopic behavior of these particles
11:50	RC15	P. Moreau	Interactions between Eu(III), phenolic acids and alumina nanoparticles
12:10	RC16	W. Budianta	Sorption of organics contaminant by clayey soil contaminated with heavy metals

12:30– 14:00 - Lunch

Chair : R. M. Town

14:00	RC17	M. Avena	Competition between glyphosate and phosphate for the surface of goethite. Adsorption and ligand exchange
14:20	RC18	M. Graouer -Bacart	Co-adsorption of enrofloxacin and copper(II) on a chalky soil
14:40	RC19	P. Trens	Highly efficient removal of methyl mercaptan and carbonyl sulfide traces using adsorption and catalysis on zeolites and layered double hydroxides
15:00	RC20	P.P. Remy	Comparative reduction kinetics of both organic and inorganic pollutants by chemically synthesized and biomineralized FeII-FeIII green rusts
15:20	RC21	A. Zegeye	Selectivity and reactivity of hydroxycarbonated green rust during nitrate reduction: effects of pH, phosphate and total iron concentration

15:40 – 16:00 - Coffee break

18:45 - Welcoming drink at the City Hall of Nancy (Place Stanislas)

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Thursday, June 14

Plenary session

SESSION F: ENVIRONMENTAL MICROBIOLOGY (Room Daum)

Chair : R. Briandet

08:45	IF1	S. Pillai	Systems ecotoxicology: from transcriptomics, proteomics and metabolomics to phenomics
09:30	RF1	S. Jomini	Electrostatic interactions between nanoparticles and bacteria: how a simple modification of the ames test revealed mutagenicity of TiO_2 nanoparticles?
09:50	RF2	Ji-Zheng He	New insights into microbial mechanisms of nitrification in acid soils
10:10	RF3	F. Jorand	Control of the routes for microbial formation of the hydroxycarbonate FeII-FeIII (green rust) and magnetite by ionic and nonionic polymers

10:30 – 10:50 - Coffee break

Chair : S. Pillai

10:50	IF2	R. Briandet	Spatial dynamics in biofilms architectures
11:35	RF4	A.G. Guezennec	Treatment of arsenic contaminated mining water using biofilms
11:55	RF5	T. Lescure	Bacterial oxidation of arsenic in polluted soils: role of organic matters
12:15	RF6	M. Etique	Control of the hydroxycarbonated green rust stability, a transitory phase from Fe(II) oxidation by *Azospira oryzae*

Closing ceremony

12:35 - 12:50 J.F.L. Duval, IAP2012 Conference Chair
D. Waite, President of the International Advisory Board for IAP conferences

13:00 - Lunch and end of conference

POSTERS

By name of the presentating author

SESSION A: SYNCHROTRON SOURCE AS A TOOL IN ENVIRONMENTAL SCIENCE

PA1	E. Montarges-Pelletier	Micro-scale investigations of the fate of heavy metals associated to iron-bearing colloids in a highly polluted stream.
PA2	C. Quantin	Speciation and fractionation of nickel in pyrometallurgical by-products: consequences for ultramafic environments

SESSION B: RESOURCES AND INTERFACES

PB1	Rogerio Traballi	Mobile infrastructure in a agricultural production
PB2	Honghai Wu	Decolorization-degradation of the azo dye orange G via heterogeneous fenton reaction by waste zinc bearing magnetite compared with synthesized magnetite
PB3	SM Shafiqul Alam	Does climate change a threat to urban governance in bangladesh? An overview on dhaka mega-city
PB4	M.T. Ammami	Enhanced electrokinetic remediation of heavy metals and pahs from dredged marine sediment
PB5	S. Ansanay-Alex	Adsorption of pesticide and pharmaceutical compounds on natural porous minerals
PB6	S. J.Bash Al-Malikey	Effect of filling media on the performance of trickling filters used For the treatment of municipal waste water
PB7	L.S.Belaroui	Study of methylen blue adsorption on the algerian palygorskite
PB8	J.L. Bersillon	Choice of an adsorbent for glyphosate immobilization and biodegradation – physical chemical properties
PB9	A.B. Bigalyev	Determining level of damaged ecosystems of caspean sea area
PB10	L. Bouabdalaoui	Fe/P/S interface as anode in microbial fuel cell for the treatment of wastewater
PB11	L. S. Coulibaly	Adsorption of phosphate by laterite and sandstone from ivory coast: absorbent dose effect and kinetic
PB12	Dąbrowski A	Ordered mesoporous organosilicas as sorbents of heavy metal ions
PB13	M.C. Dictor	Efficiency of arsenic oxidizing bacterial biofilms for arsenic contaminated drinking water treatment
PB14	A.Djafer	Biosorption of Cr(VI) by yeast supported on granular pouzzolan in fixed-bed reactor
PB15	Dong Liu	Preparation of hierarchically porous carbon with high adsorption capability by using diatomite as template and catalyst
PB16	M. Duc	The civil engineering use of methylene blue dye adsorption on fine mineral particles
PB17	Fathi Elosta	Simulation geological environmental shortage water of groundwater and the possibility of activity earthquake Jafarah basin NW Libya
PB18	A. Eswayah	An investigation into heavy metal removal from contaminated sediments using soil washing
PB19	P. Faure	Remediation of pah-contaminated soils by magnetite catalyzed fenton-like oxidation
PB20	S. Semrany	Degradation of carbamazepine by trametes versicolor strain grown on various organic supplements
PB21	L. Filippov	Synergistic effects in mixed collector systems: hf-free flotation method for separation of feldspars ore
PB22	L. Filippov	Reducing of CO_2 emission by carbonation of saline waste solution
PB23	A. Halajnia	The removal characteristics of nitrate and phosphate by Mg-Al-LDHs
PB24	L. Hassenboehler	Activated sludge behavior in the presence of household micropollutants

SESSION B: RESOURCES AND INTERFACES

PB25	C. Magnenet	Functionalization of organic membranes by polyelectrolyte multilayer assemblies. Application to the decontamination of aqueous solutions
PB26	G. Mamytbekov	Colloidal-chemical aspects of in-situ leaching of uranium
PB27	A. Mefti	Reducing power and carbon footprint of the Boumerdes wastewater treatment plant
PB28	A. Mohamadou	Synthesis of task specific ionic liquids for the metal extraction
PB29	W. Oueslati	Relation between hydrous strain and the cationic exchange process in the case of Na-rich montmorillonite : quantitative xrd description
PB30	S. Peulon	Degradation of indigo carmine solutions by thin films of birnessite electrodeposited.
PB31	J. P. Pinheiro	Characterization of low dispersity anionic multi-responsive core-shell polymer particles
PB32	P. Piriou	Effect of chloride salts on the mean bubble diameter in a flotation column
PB33	B. Prelot	Effect of cation competition on strontium uptake by type 4A zeolite from multi-component aqueous solutions
PB34	J.A. Rodríguez-Liébana	Variation in inorganic and organic soil solution composition induced by incubation of an acid soil with organic wastes
PB35	A. V. Sineva	Water purification from surfactants by natural adsorbents
PB36	R. Traballi	Mobile infrastructure in a agricultural production
PB37	R. Traballi	Best number of sample: soil fertilized with sewage sludge
PB38	T. Woignier	Effect of the fractal microstructure of clay on the sequestration of a pollutant in soils
PB39	Peng Yuan	The adsorption of Cu(II) cations by the surface-silylated diatomite (diatomaceous earth) and the effects of heating on the surface silylation

SESSION C: INTERFACIAL PROCESSES

PC1	J. Arfaoui	Comparative study of the promotional effect of second metal (V, Mo, W or Ce) for the low temperature SCR of NO_x with NH_3 over derived sol gel modified TiO_2
PC2	J. Cieśla	Acid and alkali effect on surface properties of soils and their mineral constituents
PC3	D.M. Prieto	Evaluation of phosphorous adsorption and desorption capacity of episammic biofilms developed on streambed sediments
PC4	X.M. Dou	Remediating fluoride from water using hydrous zirconium oxide
PC5	J.F.L. Duval	Electrolyte interface : challenging macroscopic approaches for ion specificity issues
PC6	Hongjie Wang	Adsorption of Cu(II) by aminopropyl-functionalized mesoporous δ-MnO_2 from aqueous solution
PC7	N. Janot	Influence of solution parameters on europium(III), α-Al_2O_3 and humic acid interactions
PC8	M. Kobayashi	Coagulation and charging of latex particles in the presence of natural clay nanotube imogolite
PC9	J. K. Lee	Effects of geochemical conditions on the sorption of uranium, neptunium, and americium by gratite
PC10	C. Liu	Heterogeneous reaction of NO_2 on TiO_2: effect of crystalline phase on surface species
PC11	N. Marmier	Behavior of carbon-14 in cementitious materials
PC12	J. A. Mbey	The role of the starch matrix-kaolinite filler interface in composite biopolymer films
PC13	T. Missana	Modelling of Se(IV) sorption on titanium oxide colloids and effects of sorption on colloid stability
PC14	T. Missana	Adsorption processes in heterogeneous rock: top-down *vs* bottom up approach in modelling experimental data.
PC15	T. Missana	Micro-scale study of uranium retention on granite
PC16	I.Mnif	Behavior of polyacrylamide flocculants and acrylamide in model clays and soils
PC17	S. Mongin	Speciation of cadmium using dgt sensors in quasi-equilibrium conditions
PC18	M.N. Pons	Image analysis applied to long-term monitoring of biofilms
PC19	B. Prelot	Competitive sorption involved in wasterwater treatment: contribution of titration calorimetry to the understanding of competitive mechanisms

SESSION C: INTERFACIAL PROCESSES

PC20	B. Prelot	Correlation between surface energy and hydration properties of montmorillonite saturated with heavy metals
PC21	J.A. Rodríguez -Liébana	Increased sorption of two pesticides on a soil from a mining area added with sewage sludge
PC22	H. Tamon	Synthesis of high-strength zeolite monolith by steam-assisted crystallization
PC23	L. Temdrara	The modification effects on the pore structure properties of activated carbon for the adsorption of phenol
PC24	M.Terashima	Modification of the generic nica-donnan model parameter for the modeling of Eu bindings by deep groundwater humic substances
PC25	H. Wang	Electrochemical reduction of CO_2 to organic acid by a PD/MWNTS gas-diffusion electrode in aqueous medium
PC26	C. Yang	Tylosin sorption and thermodynamics on minerals

SESSION D: ENVIRONMENTAL COLLOIDS AND INTERFACES

PD1	C. Dika	Impact of genome on aggregation and electrokinetics of MS2 phage, influence of the virus purification protocol
PD2	C. Jiang	Investigation of topsoil water dispersible colloids (WDC) release kinetics in batch experiments
PD3	J. Martin	Electrohydrodynamics of multiresponsive core-shell polymer particles
PD4	T. Missana	Analysis of colloid retention in crystalline rock
PD5	E. Montargès -Pelletier	Sorption of metals onto river suspended materials
PD6	H. Morisaki	Biofilm inside environment preventing outside pollution
PD7	Mutaliyeva B.Zh	Colloid-chemical properties of compositions of polyacrilonitrile derivatives with surfactants
PD8	Narkiewicz-Michałek	Studies of propyl gallate antioxidative activity in the n-oxide surfactant solutions
PD9	W. Oueslati	Effect of an applied strain caused by alkaline perturbation on the cationic exchange capacity of dioctahedral smectite: quantitative XRD investigation.
PD10	W. Oueslati	Hydration-dehydration performance of (Na^+, Cs^+) exchanged smectite: effect of the charge location and the cation nature
PD11	S. Peulon	Degradation of glyphosate and AMPA (amino methyl phosphonic acid) solutions by thin films of birnessite electrodeposited.
PD12	Elise Rotureau	Dynamic speciation analysis of metal binding by heterogeneous particles: case of clay minerals
PD13	W. Rudziński	Structural-adsorption characteristics of SBA-15 organosilicas functionalized with different groups
PD14	M. Szymula	Electrochemical studies of alkyl gallates behaviour in SDS/water/EtOH solutions
PD15	Y. Tsujimoto	Rheological behavior of imogolite suspensions

SESSION E: NANOPARTICLES IN THE ENVIRONMENT

PE1	I. Sameut Bouhaik	Aggregation of TiO_2 nanoparticles in aqueous solution: modelling and comparison with experimental data

SESSION F: ENVIRONMENTAL MICROBIOLOGY

PF1	E.S. Hartikainen	Growth and extracellular enzyme production of fungi on cadmium, chromium, cobalt, lithium and manganese containing culture media
PF2	L. Li	Microenvironment characteristic and microbial community in activated sludge flocs of different particle size
PF3	L. Li	SEM/EDX monitoring the biaerosol particles collected by Andersen sampler in a wastewater treatment plant