

Abstractnr	Abstracttitel	Track	Day
1	Functionalization of particle surfaces	T10	Wednesday, 28. April 2010
4	Analysis of a Two-Zone Model for Melt Granulation in a Continuous Fluidized Bed	T05	Monday, 26. April 2010
5	Particle Engineering for Dry Powder Formulations for Inhalation via Spray-Drying Based on Process Parameters	T03	Monday, 26. April 2010
6	DEM-Simulation of particle aggregation considering magnetic dipole interactions	T01	Monday, 26. April 2010
13	The yield stress of magneto-fluidized beds of fine magnetically soft powders	T04	Wednesday, 28. April 2010
14	Enhanced fluidization of electronanofluidized beds	T04	Wednesday, 28. April 2010
16	Determination of the coefficient of interparticle friction	T06	Wednesday, 28. April 2010
22	High throughput experimentation on spray drying	T03	Monday, 26. April 2010
23	Electrostatic coating of foods	T12	Wednesday, 28. April 2010
24	Use of Digital Pulse Data for Dynamic Size Measurement with the Coulter Principle	T06	Wednesday, 28. April 2010
25	Dispersion of nanoparticles in polymer melts investigated by rheological measurements	T11	Monday, 26. April 2010
28	The forming of granules by consolidation in rolling device	T05	Monday, 26. April 2010
29	A physical based growth model for aggregated food products produced in a high shear mixer	T01	Monday, 26. April 2010
30	Influence of protein interactions and transmembrane pressure on physical cake properties at the filtrations of skim milk	T12	Wednesday, 28. April 2010
36	Adsorbent particles synthesis by mini-emulsion-polymerisation	T10	Wednesday, 28. April 2010
41	Crystallization Kinetics of $\alpha$ -2-Ammonium Chloride monitored by in-situ Measurement Techniques	T02	Wednesday, 28. April 2010
42	Preparation and properties of anion-modified $\text{TiO}_2$ nanoparticles via a mechanochemical route with organic fine particles	T10	Wednesday, 28. April 2010
43	Model-based Measurement of PSDs in Granulation Processes	T05	Monday, 26. April 2010
46	Probability Distribution Analysis of Slug and Air Gap Lengths in a Pneumatic Conveyor	T09	Monday, 26. April 2010
47	Particle size distribution determination of $\text{CeO}_2$ slurry by laser diffraction and photon correlation spectroscopy: a comparative study including the confirmation and robustness of optical properties via the volume concentration method	T06	Wednesday, 28. April 2010
50	Continuous hydrothermal synthesis of nano particles: measurements of particle size distributions using dynamic light scattering	T10	Wednesday, 28. April 2010
54	Modelling of the particle formation of a single droplet containing micro- and nanoparticles	T01	Monday, 26. April 2010
62	Influence of application of energy on the effectiveness of chemical additives in suspension preparation	T07	Monday, 26. April 2010
63	Evaluation of health risks of technical nanoparticles – the contribution of characterization	T10	Wednesday, 28. April 2010
69	A new simulation ansatz for industrial granular flows from the dilute into the solidified regime	T01	Monday, 26. April 2010
76	Universal correlation and mechanism of the antibacterial activity of Ag nanoparticles.	T12	Wednesday, 28. April 2010
80	An investigation into the minimisation of variation of infant formula quality characteristics during pneumatic conveying by Taguchi methods	T09	Monday, 26. April 2010
81	Macroporous $\text{Re}_2\text{O}_7/\text{Al}_2\text{O}_3$ Butene Metathesis Catalysts Prepared by Particle-Template Method	T11	Monday, 26. April 2010
82	Preparation and Size Determination of Monodisperse Silica Microspheres for Reference Materials	T06	Wednesday, 28. April 2010

83	Optimization of Fe-Al-Ce nano-adsorbent granulation by spray-coating in a fluidized bed for fluoride removal from drinking water	T05	Monday, 26.April 2010
87	Comminution of Renewable Raw Materials	T07	Monday, 26.April 2010
88	Classification with Vibration and Tumbling Screening Machines	T04	Wednesday, 28. April 2010
90	Controlling the Particle Size Distribution of Inhalation Grade Lactose: A Review	T02	Wednesday, 28. April 2010
94	Formation of spherical ammonium nitrate particles by melt spray	T02	Wednesday, 28. April 2010
95	Addressing the particle roping phenomenon by numerical simulations	T01	Monday, 26.April 2010
98	Dynamic behaviour of particle-size distribution in fluidised bed granulation	T05	Monday, 26.April 2010
100	Temperature influence on bulk solids flowability	T09	Monday, 26.April 2010
106	Non-destructive evaluation of manufacturing process changes using near infrared chemical imaging	T05	Monday, 26.April 2010
109	Dry grinding of submicron particles	T07	Monday, 26.April 2010
115	Granularity of water fog particles and their attenuation performance to 10.6 microns laser emission	T06	Wednesday, 28. April 2010
120	On the characterization of powder wettability by drop penetration observation	T05	Monday, 26.April 2010
123	Conditioning of active materials and conductivity agents in use for Lithium-Ion Batteries	T11	Monday, 26.April 2010
132	Estimation on the capillary force of a liquid bridge adhered to four spheres arranged in tetrahedron forms	T05	Monday, 26.April 2010
133	DETERMINING AN ATTRITION INDEX USING LACTOSE CRYSTALS	T02	Wednesday, 28. April 2010
134	Study on sintering and properties of Si <sub>3</sub> N <sub>4</sub> (SHS)/ $\alpha$ -SiC multiphase ceramics	T11	Monday, 26.April 2010
138	Influence of the lubrication forces on the breakage of agglomerates under impact	T01	Monday, 26.April 2010
139	DESIGN OF SELF-EMULSIFYING PELLETS TO IMPROVE BIOAVAILABILITY OF LIPHOPHILIC PHARMACEUTICAL ACTIVES	T05	Monday, 26.April 2010
141	Systematic study of bimodal suspensions of latex nanoparticles using dynamic light scattering	T10	Wednesday, 28. April 2010
142	Fast Discrete Element Method Simulation Using Graphics Processing Unit	T01	Monday, 26.April 2010
145	Liquid-liquid phase transfer of nanoparticles	T08	Wednesday, 28. April 2010
146	Overcoming the effect of low-probability events on laser diffraction particle sizer performance	T06	Wednesday, 28. April 2010
151	Synthesis of preferential located Pt in NO <sub>x</sub> storage reduction catalysts.	T10	Wednesday, 28. April 2010

152	Caseinmicelles as natural nano-sized particles – Possible ways to achieve new insights in micellar structure and mechanisms of formation by high hydrostatic pressure	T10	Wednesday, 28. April 2010
153	Scalable synthesis of superparamagnetic aggregates	T10	Wednesday, 28. April 2010
155	Validation of Dynamic light scattering and Differential Centrifugal Sedimentation methods for nanoparticles characterisation	T10	Wednesday, 28. April 2010
161	Changing Electrical Properties due to growing ZnO Particles in different Humidity Conditions	T10	Wednesday, 28. April 2010
163	Particle Breakage in Agitated Dryers	T01	Monday, 26. April 2010
165	The characterisation of the physical properties of wet masses.	T05	Monday, 26. April 2010
166	The quantification of particle shape and size using image analysis and its effect on the flow properties of various forms of lactose	T09	Monday, 26. April 2010
170	Innovative process for the production of a microfluidic chip for cancer diagnostic	T12	Wednesday, 28. April 2010
174	Surface modification of zinc oxide quantum dots with suitable ligands for applications in printable electronics	T10	Wednesday, 28. April 2010
178	Modelling Flame Synthesis of Nanoparticles with a Monte Carlo Aerosol Dynamics Solver	T01	Monday, 26. April 2010
180	Laser Sintering of Nickel Aggregates Produced From Inert Gas Condensation	T10	Wednesday, 28. April 2010
181	The particle shape characters of micronano TATB and the effect on detonation capacity	T10	Wednesday, 28. April 2010
182	Restructuring and Fragmentation of Agglomerates in Shear Flows	T01	Monday, 26. April 2010
185	Shear-induced and Brownian Coagulation	T01	Monday, 26. April 2010
186	The influence of solvent compositions and particles concentration on the spreading of droplets and applications to ink-jet printed conductive patterns	T01	Monday, 26. April 2010
189	The investigation of the effect of mixed surfactants on drop/interface coalescence phenomenon	T04	Wednesday, 28. April 2010
197	Influence of wall friction of bulk solids on slip-stick behaviour	T09	Monday, 26. April 2010
198	Production of stable aerosols with high solid concentrations by dry dispersion with methods of the extremely fine grinding	T03	Monday, 26. April 2010
199	Synthesis and Chemical Modification of Nanoparticles for High Quality Polymer Nanocomposites	T10	Wednesday, 28. April 2010
200	Colloid chemical aspects of chemical mechanical planarisation	T08	Wednesday, 28. April 2010
203	Colloidal forces between CMP slurry particles and special substrates	T10	Wednesday, 28. April 2010
204	Axial Dispersion within Rotating Cylinders	T01	Monday, 26. April 2010
205	Electrostatic Charge Measurement of Dispersed Powder	T03	Monday, 26. April 2010
208	Powder polymer by spray drying of viscous polymer solutions	T03	Monday, 26. April 2010
209	Investigation of hydrodynamics of a multistage spouted bed	T04	Wednesday, 28. April 2010
210	Determination of doped SnO <sub>2</sub> gas sensors by density functional theory (DFT)	T01	Monday, 26. April 2010
211	Quantification of internal structures of spray-dried granules	T06	Wednesday, 28. April 2010
214	Synthesis of tailored composite nanoparticles by a continuous integrated CVS/CVD – process at atmospheric pressure	T10	Wednesday, 28. April 2010
215	Experimental and modelling investigation of polymeric nanoparticles production via solvent displacement for pharmaceutical application	T10	Wednesday, 28. April 2010

216	Deformation, break-up and coalescence of aqueous droplets in sunflower oil under high electric field strength	T04	Wednesday, 28. April 2010
217	Innovative Control Strategies for Coupled Preferential Crystallization	T02	Wednesday, 28. April 2010
218	Effect of Silica Binder on Attrition Resistance and Reaction Selectivity of Agglomerated Co-Mn Catalyst in Fischer Tropsch Synthesis	T11	Monday, 26. April 2010
229	CFD simulation of the effect of particle size on particle motion in Wurster chamber	T01	Monday, 26. April 2010
232	Controllable preparation of iron-doped tin oxide nanoparticles by the laser pyrolysis: structural and magnetic properties	T10	Wednesday, 28. April 2010
236	Effect of the annealing procedure on the structural, optical and electrical properties of nanoparticulate ITO films	T11	Monday, 26. April 2010
237	Prediction of Slurry Viscosity Using DEM-DNS Method	T01	Monday, 26. April 2010
239	Reactor Concepts for Particle Surface Modification in Low-pressure Plasma Systems	T12	Wednesday, 28. April 2010
242	Synthesis of silver and hybrid silver@silica particles.	T10	Wednesday, 28. April 2010
243	Modeling the effect of shear stress on the formation of $\beta$ -lactoglobulin ( $\beta$ -Lg) microparticles during heat treatment of whey protein solutions	T01	Monday, 26. April 2010
248	Spray Method-assisted Preparation of Composite Boron Nitride/Carbon Nanotubes Particle	T11	Monday, 26. April 2010
251	Low-temperature surface stabilization of gas phase produced polymeric peptide loaded nanoparticles	T10	Wednesday, 28. April 2010
255	Preventing powder caking using Scanning Probe Microscopy to analyse particle properties.	T06	Wednesday, 28. April 2010
256	Influence of particle surface moisture content on the growth rate in fluidised bed agglomeration	T05	Monday, 26. April 2010
266	Influence of particle shape distributions on compactness and flowability of steel powders in the range of 100 to 300 $\mu$ m.	T06	Wednesday, 28. April 2010
271	An Innovative 25 mm Ultrasonic Backscatter Probe for Particle Size Analysis	T06	Wednesday, 28. April 2010
272	Verification of Mie Scattering Algorithms by Extreme Precision Calculations	T06	Wednesday, 28. April 2010
273	From Powders to Collapsing Soils/Granular Suspensions: Discrete Modeling and Experiment	T01	Monday, 26. April 2010
275	Optimum between purification and colloidal stability of ZnO nanoparticles	T10	Wednesday, 28. April 2010
279	Screenless Agitator Bead Mill for the Use of Smallest Grinding Media	T07	Monday, 26. April 2010
280	Attrition during pneumatic conveying of a granola breakfast cereal produced by fluidised bed granulation	T09	Monday, 26. April 2010
282	Influence of ionic strength on coalescence in liquid/liquid systems	T01	Monday, 26. April 2010
286	Gas-phase synthesis and characterization of silica nanoparticles in a hybrid microwave-plasma hot-wall reactor	T10	Wednesday, 28. April 2010
287	Centrifugal technique to study of the adhesion force between particles and substrate.	T06	Wednesday, 28. April 2010
288	Evaluation of Dynamic Extinction Measurement Data using an Artificial Neural Network	T06	Wednesday, 28. April 2010
290	Extraction of canola oil with supercritical carbon dioxide: Experimental and Modeling	T04	Wednesday, 28. April 2010
298	STUDY OF NUCLEATION PROCESS OF METAL BISMUTH	T10	Wednesday, 28. April 2010
300	Green nanomaterials: nanoparticles with increased biological acceptance	T12	Wednesday, 28. April 2010
304	Modification of granular behavior by roller compaction	T05	Monday, 26. April 2010
308	Phase transitions and gas sensing properties of FSP generated single crystalline WO <sub>3</sub> nanospheres	T10	Wednesday, 28. April 2010

311	Improvement of Flowability of Fine Cohesive Powders by Flow Additives	T09	Monday, 26.April 2010
312	Particle size determination at different concentrated Al <sub>2</sub> O <sub>3</sub> and SiO <sub>2</sub> nanopowder suspensions with the ultrasonic spectrometer DT 1200	T06	Wednesday, 28. April 2010
313	Analysis and simulation of granular material flow patterns in silo model	T01	Monday, 26.April 2010
314	The restitution coefficient of three characteristic granules	T06	Wednesday, 28. April 2010
317	Classification of Micron and Sub-Micron Particles with a Louver Type Inertial Separator Operating at Sub-Atmospheric Pressure	T04	Wednesday, 28. April 2010
318	The development of a novel formulation map for the optimization of high shear wet granulation	T05	Monday, 26.April 2010
321	Withdrawal of particles from a fluidised bed	T04	Wednesday, 28. April 2010
323	High energy dry coating mixing : some hydrodynamic elements	T11	Monday, 26.April 2010
326	Incorporation of Bioactive Material onto Nanocrystalline Hydroxyapatite Particles	T12	Wednesday, 28. April 2010
327	Effect of process parameters and binder nature on the mechanical properties of granules obtained in a laboratory high shear mixer	T05	Monday, 26.April 2010
330	Isothermal pyrolysis of various virgin and recycle grades of polyethylene (PE) under moderate/high temperatures: Back to petrochemicals via reaction kinetics and modelling	T13	Monday, 26.April 2010
332	FOOD PROTEIN BASED PARTICLES AS DELIVERY SYSTEMS FOR BIOACTIVE SUBSTANCES	T12	Wednesday, 28. April 2010
339	DEM simulation of pebble flow problem	T01	Monday, 26.April 2010
341	Interaction of energy input and bead abrasion during comminution of alumina in attrition mills	T07	Monday, 26.April 2010
342	A parallelized population balance-Monte Carlo method for diffusion and coagulation of nanoparticles	T01	Monday, 26.April 2010
346	SHEAR CHARACTERISATION OF BULK SOLIDS TO STUDY THE FLOWABILITY OF MILL CHARGE IN PRESENCE OF THE GRINDING ADDITIVES	T09	Monday, 26.April 2010
347	The Circulating Fluidized Bed reactor (CFB) for the thermo-chemical treatment of biomass	T04	Wednesday, 28. April 2010
348	NO <sub>x</sub> formation and abatement in the fluidized bed combustor of biomass at Caledonian Paper (Ayr, UK)	T04	Wednesday, 28. April 2010
349	Assessing homogeneity of powder mixtures for bipolar plates processing in fuel cell technology	T11	Monday, 26.April 2010
352	The transport disengagement height of fine and coarse particles in fluidized beds	T04	Wednesday, 28. April 2010
357	Model-based design of adaptive particles and surfaces	T01	Monday, 26.April 2010
359	Discrete element prediction of stress distribution in a direct shear test	T01	Monday, 26.April 2010
364	Wall-slip effects of highly concentrated suspensions	T04	Wednesday, 28. April 2010
365	Fracture of Pharmaceutical Tablets due to Air Entrapment	T12	Wednesday, 28. April 2010
366	The effect of moisture content on roll compaction behaviour of pharmaceutical powders	T05	Monday, 26.April 2010
367	A shear cell for the measurement of powder flow properties at high temperature	T09	Monday, 26.April 2010
373	The Effect of the Compression Rate and Sample Size on the Strength Distribution Measurements of Particles	T07	Monday, 26.April 2010
374	Reconsidering Geldart's Classification for Fluidized Beds	T04	Wednesday, 28. April 2010
375	A novel miniature spouted-bed process: investigation of its coating performance for fine pharmaceutical particles in a 5-gram batch scale	T05	Monday, 26.April 2010
377	Influence of powder characteristics on the dissolution of maltodextrins and dried glucose syrups	T12	Wednesday, 28. April 2010
379	Determination of particle size distribution by refractive index measurement	T06	Wednesday, 28. April 2010

380	Influence of operation conditions on fluidization properties of particulate solids measured with an auto-fluidization rig	T04	Wednesday, 28. April 2010
382	Different galactans as pelletisation aids in extrusion-spheronisation processes	T05	Monday, 26. April 2010
384	The Effect of Relative Humidity on Particle Adhesion for a Predictive Model of Compaction	T06	Wednesday, 28. April 2010
386	Hard-Sphere Discrete Element Modelling: An Alternative Approach to the Application of Multiple Intra-Time Step Collisions	T01	Monday, 26. April 2010
392	Suitability of high- and low drug strength <math>\kappa</math>-carrageenan pellets for the formulation of multiparticulate tablets.	T05	Monday, 26. April 2010
394	Influence of coordination number upon the local granular flows in agitated polydisperse granular packs	T01	Monday, 26. April 2010
395	Modelling of friction and surface roughness by multi-sphere approach in Discrete Element Method	T01	Monday, 26. April 2010
396	Development of a predictive model for impeller torque in high shear mixing of cohesive powders	T09	Monday, 26. April 2010
398	Nucleation of Alpha Lactose Monohydrate an investigation into the impact of the agitation rate	T02	Wednesday, 28. April 2010
399	Micro-structural effects in catalytically oxidised soot layers	T11	Monday, 26. April 2010
402	Bubble formation at a single orifice in a 2D gas-fluidised bed	T01	Monday, 26. April 2010
404	Controlled synthesis of nanostructured titanium dioxide photocatalysts in a diffusion flame reactor	T10	Wednesday, 28. April 2010
406	DEM simulation of ultrafine silica particles	T01	Monday, 26. April 2010
408	Modeling and Synthesis of silver nanoparticles by using population balances.	T01	Monday, 26. April 2010
410	Structure Analysis of Nanocomposites using QELS	T10	Wednesday, 28. April 2010
413	Photometric instrumentation for evaluation of dispersion stability and optimization of separation and stabilization of dispersions	T13	Monday, 26. April 2010
414	Laboratory scale evaluation of inclined settling	T04	Wednesday, 28. April 2010
417	Determination of the volume weighted particle size distributions from measurements of multiwavelength extinction profiles of sedimenting particles	T04	Wednesday, 28. April 2010
418	Measurement of x ray profiles – a new method for evaluation of separation stability of highly concentrated nontransparent dispersions	T13	Monday, 26. April 2010
420	Characterization of sedimentation and consolidation behaviour of kaolin suspensions in presence of dispersant	T04	Wednesday, 28. April 2010
421	Accelerated stability and quality testing of paint products using a combination of multisample analytical centrifugation and measurement of x ray profiles	T08	Wednesday, 28. April 2010
423	Influence of moisture content on the flow properties of wet and semi-dry flue-gas desulfurization gypsum: application to the design of an industrial silo	T09	Monday, 26. April 2010
425	A Dynamic Sonic separator for humid natural gas	T01	Monday, 26. April 2010
429	The use of powder flow data for the selection of hopper designs: an industrial perspective.	T09	Monday, 26. April 2010
433	Analysis of the Influence of Jet Milling Architecture and Set Up on Ultra-fine Products Morphological and Morphometrical Characteristics	T07	Monday, 26. April 2010
436	Sedimentation and consolidation of concentrated dispersions: Determination of the state of flocculation without dilution	T06	Wednesday, 28. April 2010
437	INVESTIGATION OF CONTACTING LAYERE SPHERICAL PARTICLES BY FEM	T01	Monday, 26. April 2010
447	The use of online process data to micronise compounds with design for manufacturing in mind.	T07	Monday, 26. April 2010
449	Synthesis of Porous Oxide Nanoparticles via an Aerosol Route	T03	Monday, 26. April 2010

451	Characterization and synthesis kinetics of nanoporous carbon / carbide composites	T11	Monday, 26.April 2010
453	3D and 2D particle image analysis of rock chips generated by core scratch tests.	T06	Wednesday, 28. April 2010
459	Thixotropic Behaviour of Fly Ash Slurries	T09	Monday, 26.April 2010
460	Adjustable dosing and independent dispersing of very small quantities of fine powders at defined conditions	T10	Wednesday, 28. April 2010
463	Data Mining in Pharmaceutical Development by Combining Engineering and Multivariate Statistical Modelling to Improve Process Understanding	T12	Wednesday, 28. April 2010
468	Comparative shape analysis of a new prolate spheroidal particle standard by two different techniques	T06	Wednesday, 28. April 2010
469	Platinum Concentrations in Urban Airborne Particles from Shanghai, China	T03	Monday, 26.April 2010
472	Determination of powder flow in front of a NIR window in a container mixer using a high speed camera	T12	Wednesday, 28. April 2010
474	Faujasite-like Zeolites on Ceramic Foams by an in-situ crystallization process	T11	Monday, 26.April 2010
475	Correlation between tensile strength and water permeability of fat based coating materials	T05	Monday, 26.April 2010
476	Determining the Nip Angle during Roll Compaction of Pharmaceutical Excipients	T05	Monday, 26.April 2010
480	Consolidation characteristics evolution of clay under loading	T04	Wednesday, 28. April 2010
488	Standardization of nanoparticle release tests with aerosol measurement techniques	T06	Wednesday, 28. April 2010
495	Aggregation and Physical Stability of Insulin in Aqueous Organic Mixtures	T02	Wednesday, 28. April 2010
497	Titania and doped titania nano-particles generated by swirl-stabilized flame synthesis	T10	Wednesday, 28. April 2010
501	Mechanical properties of single hollow silica particles	T06	Wednesday, 28. April 2010
507	Novel electrospinning-related method for fabricating carbon/TiO <sub>2</sub> core/sheath fibers	T11	Monday, 26.April 2010
508	Preparation of porous (lamella, short lamella, and honeycomb) materials	T11	Monday, 26.April 2010
514	Measurement and evaluation of three-dimensional particle shapes using a novel viewer equipped with a transparent horizontal rotating pipe immersed in liquid	T06	Wednesday, 28. April 2010
515	Adjusted contact force laws for accelerated discrete element simulations	T01	Monday, 26.April 2010
517	Fabrication of highly oriented ZnO microrods on the hexagonal ZnO sheets by a facile aqueous solution method	T10	Wednesday, 28. April 2010
531	Roller Compaction Processes Optimization using FBRM <sup>®</sup> In Situ Particle Characterization	T05	Monday, 26.April 2010
534	Fundamentals of Photon Density Wave spectroscopy for the investigation of turbid media	T06	Wednesday, 28. April 2010
535	Design of Experiments for Barium Sulphate Crystallization monitored by Photon Density Wave spectroscopy	T02	Wednesday, 28. April 2010
538	Regulation of Average Size of Powder at Spraying by Stream Overheated Multicomponents Liquid	T03	Monday, 26.April 2010
539	Improvement of Whole Milk Quality during Homogenization by the Change of Thermal Conditions of Dispersing	T12	Wednesday, 28. April 2010
544	Collapsible Silo Made of Composite Rings	T01	Monday, 26.April 2010
545	Empirical Description of Flow in Model Silo with Vertical Walls	T01	Monday, 26.April 2010
546	Mathematical analysis of eccentric flow in model silo with vertical walls	T01	Monday, 26.April 2010
547	Mathematical model of description of flow parameters in converging silos	T01	Monday, 26.April 2010
551	Optimization of protein crystallization	T02	Wednesday, 28. April 2010
553	Nanoparticles mimic DNA Damage by Ionizing Radiation	T10	Wednesday, 28. April 2010
561	Dynamic Simulation and Optimization of a Urea Granulation Circuit Including Mass, Energy, and Population Balances	T05	Monday, 26.April 2010
570	Tuning of Charge Carrier Density of ZnO Nanoparticle Films by Oxygen Plasma Treatment	T11	Monday, 26.April 2010

573	Concentrated atmospheric nanoparticle beams in vacuum.	T06	Wednesday, 28. April 2010
574	Develop powder and wall friction plot to characterise pharmaceutical Materials and storage hoppers	T09	Monday, 26.April 2010
578	Fingerprint of Formulated Products – Single-Particle-Tester	T06	Wednesday, 28. April 2010
580	Pharmaceutical Application of the Segregation Tester	T12	Wednesday, 28. April 2010
581	Production of nanocomposites by dispersing nanoparticles in solvent and transferring them to epoxy resin	T11	Monday, 26.April 2010
583	Investigation of elasticity properties of solid body by spherical particles	T01	Monday, 26.April 2010
584	Nuclear Measurement and Informations Technologies. Particles Sizes Measurement in indoor air of atomic industrial plants. Methods. Equipment. Standard.	T03	Monday, 26.April 2010
586	Prevention of dust adhesion on glass substrate using nano-particle coating	T10	Wednesday, 28. April 2010
587	The size-independent phase transformation of Scandia-Stabilized Zirconia with hydrothermal synthesis	T02	Wednesday, 28. April 2010
588	Methodical Approach to Particle Size and Shape Method Development/Validation	T06	Wednesday, 28. April 2010
589	In-situ monitoring of the catalytic chemical vapor deposition of carbon nanotubes by Raman spectroscopy	T10	Wednesday, 28. April 2010
592	Transmittance of dosing fluctuations by continuous drum mixers	T09	Monday, 26.April 2010
595	Terminating nanoparticle growth by means of a supersonic water quenching system	T10	Wednesday, 28. April 2010
596	A Comparison of shear Tests using a Carr-Walker and Schulze Annular Shear Cells on Commercial Agricultural Crushed Limestone of New Zealand	T09	Monday, 26.April 2010
600	INVESTIGATION OF THERMOPHORESIS	T03	Monday, 26.April 2010
606	Anisotropic Lennard-Jones fluid in a nano channel	T01	Monday, 26.April 2010
607	Preparation of tungsten oxide nanoparticles and their adsorption performance	T10	Wednesday, 28. April 2010
611	DEM investigation of shear-related cracking of particulate solids by particle splitting technique	T01	Monday, 26.April 2010
612	Precipitation of HSA loaded microspheres in a polymeric spherical crystallization system	T02	Wednesday, 28. April 2010
613	In-line particle sizing for process control by an optical probe based on the spatial filtering technique (SFT)	T06	Wednesday, 28. April 2010
618	High performance of gallium nitride thin films deposited on sapphire substrates coated with a silica-submicron-sphere monolayer	T11	Monday, 26.April 2010
622	FBRM - Focused Beam Reflectance Measurement as tool for in-line monitoring of granulation process in fluid-bed	T06	Wednesday, 28. April 2010
624	Characterization of Monoclonal Antibody and Latex Bead Conjugates using Delsa<trade>Nano	T12	Wednesday, 28. April 2010
626	Concrete Rheology: Measurement of Adhesive Force between Superplasticizer-coated Silica Surfaces with AFM Techniques	T08	Wednesday, 28. April 2010
628	Twin screw wet granulation: Effect of process parameters	T05	Monday, 26.April 2010
629	Effect of punch speed on movements of granules: early stages of tableting	T05	Monday, 26.April 2010
634	Granulation process using drug/<beta2>-cyclodextrin inclusion complex dispersion	T05	Monday, 26.April 2010

637	Control of physical properties of porous microspheres prepared by S/O/W emulsion	T08	Wednesday, 28. April 2010
639	Understanding the surface energy changes of mechanofused pharmaceutical powders	T06	Wednesday, 28. April 2010
642	Dispersion based on laminar elongational flow	T04	Wednesday, 28. April 2010
643	Micro- and Nanomanipulation of Particles – Force Load Depending Friction and Deformation	T06	Wednesday, 28. April 2010
644	Relations between solid volume fraction and geometric features in quasistatic packings	T01	Monday, 26. April 2010
646	Synthesis and Self-assembling Properties of ZnO Nanoparticles	T10	Wednesday, 28. April 2010
650	Round Robin Study of Particle Size Distribution Measurements by Laser Diffraction Method	T06	Wednesday, 28. April 2010
654	Influence of the inherent operational conditions of two fluidized bed granulation techniques on the final granule properties	T05	Monday, 26. April 2010
655	Influence of liquid spray viscosity on the rewetting effects in wet granulation.	T05	Monday, 26. April 2010
658	Nanotechnology standardization – A survey	T10	Wednesday, 28. April 2010
660	Multi-Scale permeability of particulate and porous media	T01	Monday, 26. April 2010
662	The Secondary Nucleation Threshold and Seeded Batch Crystallization of $\gamma$ -DL-Methionine in Aqueous Solution	T02	Wednesday, 28. April 2010
665	Influence of the microchannel geometry on high pressure dispersion processes	T08	Wednesday, 28. April 2010
669	New Model to Predict the Influence of Shape on Unconfined Yield Strength	T01	Monday, 26. April 2010
671	The Advantages of True 3D Particle Size, Shape and Volume Determination	T06	Wednesday, 28. April 2010
676	Hydrothermal synthesis and characterization of chromium doped titanium dioxide nanoparticles	T10	Wednesday, 28. April 2010
678	Dispersion and stabilization of carbon nanoparticles	T07	Monday, 26. April 2010
679	Utilising vapour sorption to understand the surface properties relating to froth flotation	T06	Wednesday, 28. April 2010
680	Colouring the glaze on ceramic tiles with Liquid Flame Spray generated nanoparticles	T03	Monday, 26. April 2010
681	One-step synthesis and stabilization of $\epsilon$ -WO <sub>3</sub> for acetone detection	T11	Monday, 26. April 2010
682	Transmission scanning electron microscopy (TSEM): a new means for characterization of nanoparticles	T10	Wednesday, 28. April 2010
690	Modeling and scale-up of fluidized bed drying of pharmaceutical granules	T01	Monday, 26. April 2010
691	Analysis of Stability of Vessels Laden with Fine, Dry Powders	T01	Monday, 26. April 2010
692	Selection of PAT sensor locations based on multiphase CFD calculations	T01	Monday, 26. April 2010
694	MULTIFUNCTIONAL GOLD SPECKLED SILICA NANOPARTICLES FOR THERANOSTICS	T10	Wednesday, 28. April 2010
695	Simulation of detailed flow behavior in a Wurster type coating process based upon DEM and two-fluid models	T01	Monday, 26. April 2010
697	Predicting the growth kinetics based on the formulation properties in high shear wet granulation	T05	Monday, 26. April 2010
698	Fingerprint of Formulated Products – Single-Particle-Tester	T06	Wednesday, 28. April 2010
699	Breakage Behaviour of Organic Solids at Elevated Temperature and Different Moisture Conditions	T07	Monday, 26. April 2010
704	Data structures and algorithms for contact detection in numerical simulation of discrete particle systems.	T01	Monday, 26. April 2010
707	The influence of asperities on the response of soil particles in axial compression tests.	T06	Wednesday, 28. April 2010
708	Molecular dynamics study of interactions of C60 with model cell membranes: Influence of sterol molecules	T01	Monday, 26. April 2010
711	Bipolar Diffusion Charging of Aerosol Particles in the Transition Regime	T03	Monday, 26. April 2010

715	Online control of production processes regarding particle size and concentration with optical aerosol spectrometers	T06	Wednesday, 28. April 2010
716	Strategies for development of advanced raw materials based on particulate design technology	T07	Monday, 26. April 2010
717	Measurement of Dust, Fines and Tails in Polymer Pellets – Current Standards and Innovations	T06	Wednesday, 28. April 2010
721	Effect of operating conditions on the hydrophobisation of silica-based porous particles in a fluidised-bed reactor	T04	Wednesday, 28. April 2010
722	Encapsulation of water via melt coaxial electrospinning	T10	Wednesday, 28. April 2010
726	Modelling the Particle Growth in Fluidized Bed Spray Granulation	T05	Monday, 26. April 2010
730	Development of a Virtual Permeameter – Sensitivity Studies	T01	Monday, 26. April 2010
734	Separation of Fine Particulates from gas solid flow in Ducts	T04	Wednesday, 28. April 2010
735	Optimisation of Particle Porosity in Food Powder – Dissolution Behaviour vs. Protection - Quantification of Dissolution of Porous Powder	T12	Wednesday, 28. April 2010
736	Derivation of the specific surface area and the particle shape factor from permeametry	T06	Wednesday, 28. April 2010
737	Techniques for understanding particle behaviour in a vibrating box	T01	Monday, 26. April 2010
738	Seeding effect for Seawater Crystallization	T02	Wednesday, 28. April 2010
741	New possibilities of particle characterization by optical methods	T03	Monday, 26. April 2010
744	Study of Discharge Behaviour in a Silo Retrofitted with Flow-Promoting Inserts	T09	Monday, 26. April 2010
746	THE INFLUENCE OF POWDER QUALITY ON THE DISPERSIBILITY, GRINDABILITY OF A WAXY COMPOUND IN NONAQUEOUS MEDIUM	T08	Wednesday, 28. April 2010
747	Functional Magnetic Nanoparticles for Therapeutics Applications	T10	Wednesday, 28. April 2010
749	Controlled assembly of functional particles via a novel microfluidic jet spray dryer	T03	Monday, 26. April 2010
752	Spark Discharge Generated Ultraclean Mg/Pd Hydrogen Storage Nanocomposite	T11	Monday, 26. April 2010
753	Surface interaction between skin and silica cosmetic particle with various surface treatment determined by a colloid probe AFM method	T08	Wednesday, 28. April 2010
755	Direct Measurement of Flavour Particle Adhesion onto Food Surface by Using a Novel Adhesion Tester	T13	Monday, 26. April 2010
756	Theoretical and numerical issues concerning DQMOM in the context of multiphase flows of dense inert polydisperse fluidized powders	T01	Monday, 26. April 2010
758	Mixing effectiveness in a new pneumatic PTS-Mixer with an in-line sampling device	T09	Monday, 26. April 2010
760	Numerical simulation of decontamination process in the hydrocyclone	T04	Wednesday, 28. April 2010
761	Fabrication of Drug Nanoparticles	T10	Wednesday, 28. April 2010
764	Prediction of pressure-drop evolution during filtration of polydisperse nanoparticles	T10	Wednesday, 28. April 2010
Beck	Liquid Antisolvent Precipitation of Drug Particles using Ultrasonically Driven Rapid Mixing Device	T12	Wednesday, 28. April 2010
Dave	Liquid Antisolvent Precipitation of Drug Particles using Ultrasonically Driven Rapid Mixing Device	T02	Wednesday, 28. April 2010
Nourian	Nanosuspension drying	T10	Wednesday, 28. April 2010
Osborne	Binder Distribution: Comparison of Continuous and Batch Granulation Processes	T05	Monday, 26. April 2010
Rodnianski	Aerodynamic Classification in a Spiral Jet-Mill	T07	Monday, 26. April 2010