

**VI International Conference on  
Mechanochemistry and Mechanical Alloying  
(INCOME2008)**

1-4 December, 2008, Jamshedpur, INDIA

**Schedule for poster sessions**

**Tuesday, December 2, 2008**

<b>15:30-17:30</b>			<b>Poster Session I</b>			<b>Tuesday, December 2, 2008</b>		
<b>Paper Code</b>	<b>Title</b>	<b>Presentor</b>						
P-SPDW-1.1	Stress and deflection analysis in the fibrous and laminated composite plates subjected to various loading conditions	N. K. Jain, S. Shrivastava and P. S. Rajput						
P-SPDW-1.2	Grain refinement mechanisms operative during equal channel angular pressing of aluminum and Al alloys	R Manna, N. K. Mukhopadhyay and G. V. S. Sastry						
P-SPDW-1.3	Computer aided modelling of metal flow investigation of square billet to square shape through elliptical shaped dies	A. K. Rout , K. P. Maity						
P-MMAP-1.1	Preparation and characterization of biodegradable and compatible ethylene vinyl acetate (EVA)/thermoplastic starch (TPS) blend nanocomposites	Vivek Patel						
P-MMAP-1.2	Mechanocomposites of drugs with excipients	T.P. Shakhtshneider, S.A. Myz, V.V. Boldyrev						
P-MMAP-1.3	The effect of mechanical action on the apatite structure in enamel of human teeth studied with modeling through indentation and using the dental instrumentation	M. Chaikina, N. Rudina , G. Krukova, N. Lyakhov						
P-MMAP-1.4	Low temperature solution combustion synthesis and characterization of nanocrystalline bioceramic calcium phosphates	H. Nagabhushana , B.M Nagabhushana, H.B. Premkumar, C. Shivakumar , R. P. Sreekanth Chakradhar						
P-MMAP-1.5	Synthesis of Co-crystals of meloxicam with carboxylic acids by co-grinding	S.A. Myz, T.P. Shakhtshneider, K. Fucke, N.A. Tumanov, E.V. Boldyreva, U. Griesser						
P-MMAP-1.6	Grinding as a tool of preserving metastable polymorphs	V.S. Minkov, V.A. Drebushchak, Yu.A. Chesalov, E.V. Boldyreva						
P-MMAP-1.7	Preparation of Co-crystals. A comparing study for piroxicam	K. Fucke, T.P. Shakhtshneider, S.A. Myz, N.A. Tumanov, E.V. Boldyreva, U. Griesser						
P-MMAP-1.8	"Wet" and "dry" synthesis of Co-crystals of amino acids: control of the stoichiometry and polymorphism	E.V. Boldyreva, N.E. Shikina, Yu.A. Chesalov, A.P. Fedotov, T.N. Drebushchak, V.V. Boldyrev						
P-MAAM-1.1	Formation mechanism of nanostructure TiAl intermetallic compound produced by mechanical alloying	F. Karimzadeh, M.H. Enayati, N. Forouzanmehr						
P-MAAM-1.2	Mechanical alloying and self-propagating	B. B. Bokhonov, M.A. Korchagin,						

	high-temperature synthesis of stable icosahedral and decagonal quasicrystals	Yu.T.Pavlyukhin
P-MAAM-1.3	Modelling of melting and solidification of metal subjected to periodic boundary condition	P. Rath and Deepak Gargee
P-MAAM-1.4	Synthesis and characterization of nanocrystalline tungsten heavy alloy (92%W-5%Ni-3%Fe) by mechanical alloying	R. Arockia Kumar, S. Kumaran, T. Srinivasa Rao
P-MAAM-1.5	Mechanical properties of nanostructured Al-4% Cu alloy produced by high energy ball milling and vacuum hot pressing	T.Shanmugasundaram, V.Subramanya Sarma, B.S. Murty, M. Heilmaier
P-MAAM-1.6	Ferritic based oxide dispersion strengthened alloys by high energy ball milling	P. Susila, B.S. Murty and Martin Heilmaier and V. Subramanya Sarma
P-MAAM-1.7	Study of nanomaterials through mechanical alloying in an aluminium based system- Al-18% Si-5% Fe-1.5% Cu (wt %)	Jagroop Singh Sheokand, Narendra Bijarniya
P-MAAM-1.8	The effect of chemistry and microstructure on mechanical properties of tungsten heavy alloys	Jiten Das, K Jagan Mohan, A Chakraborty and N Eswara Prasad
P-MAAM-1.9	Effect of mechanical activation and mechanical activation with additives on conceptual stages of TiH <sub>2</sub> decomposition under non-equilibrium conditions	O.S. Morozova, T.I. Khomenko, A.V. Leonov, E.Z. Kurmaev, Ch. Borchers
P-MAAM-1.10	Structure and magnetic properties of mechanically alloyed Fe <sub>3</sub> -xAlCr <sub>x</sub> powders	V.V. Tcherdyntsev, V.Yu. Titova, S.D. Kaloshkin, Yu.V. Baldokhin, A.V. Zagainov, A.O. Rodin
P-MAAM-1.11	Mechanically induced phase transformation in Al-Cu-Cr-Fe decagonal quasicrystal by high-energy ball milling	T.P. Yadav, N.K. Mukhopadhyay, R.S. Tiwari and O.N. Srivastava
P-MAAM-1.12	Effect of compact density and preheating temperature of the Al-Ti-C perform on the fabrication of in- situ Mg-TiC composites	A.K Chaubey, B.K. Mishra, N.K. Mukhopadhyay & P.S. Mukherjee
P-MAAM-1.13	Production of nano leaded brass alloy by oxide materials by mechanical alloying	I. Farahbakhsh, S. H. Tabaian, J. Vahdati Khaki
P-MAAM-1.14	Mechanical milling of spray-formed single-phase Al-Cu-Fe quasicrystals: effect of milling intensity	N.K. Mukhopadhyay, F. Ali, V.C. Srivastava, M. Sakaliyska, K.B. Surreddi, S. Scudino, V. Uhlenwinkel, J. Eckert
P-MAAM-1.15	Crystallization behavior and consolidation of amorphous and partially amorphous Al-based powders produced by mechanical alloying	K.B. Surreddi, K. G. Prashanth, S. Scudino, B. S. Murty and J. Eckert
P-MAAM-1.16	In-situ formation of NbC in mechanical alloyed Cu-Nb-C at different temperature	Z. Hussain and M. Yusoff
P-MAAM-1.17	Mechanochemical synthesis of apatite-type lanthanum silicate	T. Kharlamova, S. Pavlova, V. Sadykov, M. Chaikina, T. Krieger, Chr. Argirusis
P-MAAM-1.18	Synthesis of visible light sensitive N-F codoped titania photocatalyst by chemical activation technique	T. Mishra, Noor Aman, R.K. Sahu, J. Hait
P-MAAM-1.19	Biomimetic nanofluids-vectors for drug delivery	Aparna Mir, Dhriti Mallik, Suprabha Nayar, A.K. Pramanik, Arvind Sinha
P-MAAM-1.20	Biomimetic nanomaterials for orthopedics and tissue engineering	Avijit K. Guha, Siddhi Gupta, Suprabha Nayar, Arvind Sinha

**Wednesday, December 3, 2008**

**15:30-17:30**

**Poster Session II**

**Wednesday, December 3, 2008**

<b>Paper Code</b>	<b>Title</b>	<b>Presentor</b>
P-NPNC-1.1	Fabrication and characterization of Al <sub>2</sub> O <sub>3</sub> /Mo nanocomposite	M. H. Enayati, F. Karimzadeh and A. Heidarpour
P-NPNC-1.2	Nanostructured WC-Co cermet powder produced by ball milling	M. H. Enayati, G. R. Aryanpour and A. Ebnonnasir
P-NPNC-1.3	Mechanochemical synthesis of Fe <sub>3</sub> Al-Al <sub>2</sub> O <sub>3</sub> nanocomposite	M. H. Enayati, F. Karimzadeh and M. Khodaei
P-NPNC-1.4	Synthesis of silver nanoparticle with reverse micellar system	Jignasa Solanki, Z.V.P.Murthy
P-NPNC-1.5	Synthesis of copper sulphide nanoparticles with microemulsion technique	Jignasa Solanki, Dr. R. Sengupta
P-NPNC-1.6	Microstructure of nanosize Zn <sub>0.1</sub> Ni <sub>0.90</sub> obtained by HEBM	M. Vucinic-Vasic, A. Kremenovic, B. Antic, C. Jovalekic, V. Kahlenberg
P-NPNC-1.7	Ball milling effect on the properties of ultra high molecular weight polyethylene - bronze composite	V.V. Tcherdyntsev, S.D. Kaloshkin, V.A. Sudarchikov, A.A. Dorofeev, I.V. Mochkina, N.V. Yuryeva, V.D. Danilov
P-NPNC-1.8	Structure and properties of ball milled ultra high molecular weight polyethylene - clay composite	S.D. Kaloshkin, K.S. Ergin, E.M. Antipov, V.A. Gerasin, V.V. Tcherdyntsev, A.V. Maksimkin, M.I. Petrzhik
P-NPNC-1.9	Production of carbon nanotubes by electric arc discharge method	S.Prabhu
P-NPNC-1.10	Fabrication and characterization of Ni-SiC metal matrix composite (MMC) nano-coatings by electrodeposition	Fatih Kiliç, Harun Gül, Serdar Aslan, Ahmet ALP, Hatem Akbulut
P-NPNC-1.11	Characteristics of electrocodeposited Ni-Al <sub>2</sub> O <sub>3</sub> nano particle reinforced metal matrix composite (MMC) coatings	Harun GÜL, Fatih Kiliç, Serdar Aslan, Ahmet ALP, Hatem Akbulut
P-ACST-1.1	Ball milling assisted synthesis of nanocrystalline SiAlON	M. H. Enayati, M. Salehi and M. Babashahi
P-ACST-1.2	Feasibility study of microgrinding of silicon wafers with electrical spark assistance	Himadri Pandey, Vinod Yadava
P-ACST-1.3	Synthesis of MgFe <sub>2</sub> O <sub>4</sub> ferrite by mechanochemical reaction	Č. Jovalekić, M. Zdujić, D. Manojlović, M.B. Pavlović
P-ACST-1.4	Mechanochemical synthesis of nanocrystalline lead selenide	M. Achimovičová, P. Baláž, J. Ďurišin, N. Daneu, J. Kováč, A. Šatka
P-ACST-1.5	In-situ boron carbide -titanium diboride composites produced by mechanical milling and spark plasma sintering	Dina V. Dudina, Dustin M. Hulbert, Dongtao Jiang, Cosan Unuvar, Sheldon J. Cytron, Amiya K. Mukherjee
P-ACST-1.6	Mechanochemical activated Al - based nanocomposites as hydrogen source	A.N.Streletskii, I.V.Kolbanev, A.B.Borunova and P.Yu Butyagin
P-ACST-1.7	Synthesis of low resistivity, single-phase B-Mo <sub>2</sub> C films using FAB source	C.C. Tripathi, Mukesh Kumar, Dinesh Kumar, D.K. Avasthi, K.G.M. Nair
P-ACST-1.8	Effect of DC bias on dielectric properties of nanocrystalline CuAlO <sub>2</sub>	T. Prakash, K. Padma Prasad, S. Ramasamy and B. S. Murty
P-ACST-1.9	Microstructure of nanocrystalline La doped BaTiO <sub>3</sub> PTCR material	K. Padma Prasad, T. Prakash, S. Ramasamy and B. S. Murty

P-ACST-1.10	Synthesis of nano ferroelectric Ba <sub>1-x</sub> Sr <sub>x</sub> TiO <sub>3</sub> ceramics from high-energy ball milling	M. Venkata Ramana, G. Sreenivasulu and B.S. Murty
P-ACST-1.11	Mechanochemical conversions of acetylene in quartz – ultrafine metal powder system	V.G. Surkov, A.K. Golovko, O.I. Lomovsky, Yu.S. Lobanov
P-ACST-1.12	Synthesis, characterization and surface functionalization of red and green nanophosphors	Ashutosh Pandey, Anjana Pandey, W.J. Parak, and A. B. Samaddar
P-ACST-1.13	Kinetic features in the hydrogen sorption by NaBH <sub>4</sub> + MgH <sub>2</sub> composites under mechanical activation conditions	G.Mulas, S.Enzo, S.Medici, F.Delogu, S.Garroni, M.D.Barò, S.Surinach, C.Milanese, A.Marini
P-ACST-1.14	Superlinear power law behaviour of AC conductivity in mechanochemically synthesized amorphous fast ionic conductors	J. P. Tiwari, K. Shahi
P-ACST-1.15	Efischer-Tropsch reaction under mechanochemical activation conditions	G.Mulas, F.Delogu , S.Garroni
P-ACST-1.16	Mechanoactivated nanodimensional MoO <sub>3</sub> . preparation and properties	A.N. Streletskii, I.V.Kolbanev, V.V.Artemov, D.G.Permenov, A.V.Leonov, A.B.Borunova
P-ACST-1.17	Mechanical activation of Al + MoO <sub>3</sub> interaction.	S.N.Mudretsova, A.N. Streletskii, I.V.Kolbanev, A.V.Leonov
P-MPEM-1.1	Dry complex processing of mineral raw and wastes by means of electromassclassifier technique and other separators	V.V.Zyryanov, D.V.Zyryanov
P-MPEM-1.2	Bio-dissolution of metals from activated nodules of Indian ocean	K. D. Mehta, Rakesh Kumar, B. D. Pandey & S. P. Mehrotra
P-MPEM-1.3	Chemical beneficiation of red mud	T.C. Alex, Rakesh Kumar, S.P. Mehrotra
P-BMEM-1.1	Overburden rock in the production of building materials	Kalinnikov V.T., Krasheninnikov O.N., Belogurova T.P.
P-BMEM-1.2	Utilization of ferrous-magnesium slag for producing of binding materials	Gurevich B.I., Kalinkin A.M., Tyukavkina V.V., Kalinkina E.V., Kalinnikov V.T.
P-BMEM-1.3	Mechanically activated olivine (Mg, Fe) <sub>2</sub> SiO <sub>4</sub> in high-energy mills as a possible for CO <sub>2</sub> sequestration	Erika Turianicová, Peter Baláž and Martin Fabián