

(13) Superconductors

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(13) Super Conductors

DETAILED PROGRAMME

Tuesday, 17-12-2013

Session I : 16.00 – 18.00

16.00 - 16.30 Invited Talk (1)	<u>Hidenori Hiramatsu</u> , Hikaru Sato, Takayoshi Katase, Toshio Kamiya and Hideo Hosono	ABS - Email - ICA Non-equilibrium impurity doping and critical current density of 122-type iron-pnictide superconductors
16.30 - 17.00 Invited Talk (2)	<u>R. Mittal</u>	ABS - 1529 - ICA Phonons in Parent and Superconducting FeAs and FeSe Based Compounds
17.00 - 17.15 Oral (1)	<u>Y.C. Sharma</u> and S. Sharma	ABS - 19 - ICA Electronic structure study of some superconducting compounds
17.15 - 17.30 Oral (2)	<u>Shruti</u> , P. Srivastava, V.K. Maurya and S. Patnaik	ABS - 60 - ICA Superconductivity and pairing symmetry in $\text{Bi}_4\text{O}_4\text{S}_3$ superconductor
17.30 - 17.45 Oral (3)	<u>Nilotpal Ghosh</u> and Barnali Ghosh	ABS - 315 - ICA Observation of Zero Bias Conductance Peak above Transition Temperature for Co/YBCO Nano Junction
17.45 - 18.00 Oral (4)	<u>R. Baskaran</u> and M.P. Janawadkar	ABS - 871 - ICA Increased upper critical field for niobium nitride thin films deposited under sub-optimum conditions.

Wednesday, 18-12-2013

Session II : 10.15 – 11.15

10.15 - 10.45 Invited Talk (3)	<u>Shigeru Kasahara</u>	ABS - Email - ICA Nodal <i>s</i> -wave superconductivity in iron-based superconductors
10.45 - 11.15 Invited Talk (4)	<u>A. Bharathi</u>	ABS - Email - ICA Structure and magnetism across the SDW transition in $\text{BaFe}_{2-x}\text{Ru}_x\text{As}_2$

Session III : 11.45 – 13.15

10.15 - 10.45 Invited Talk (5)	Jae-Hyun Choi, Gil-Ho Lee, Sunghun Park, Dongchan Jeong, Jeong-O Lee, H.S. Sim, Yong-Joo Doh, <u>Hu-Jong Lee</u>	ABS - Email - ICA Complete Gate Control of Supercurrent in Graphene-based <i>p-n</i> Junctions
10.45 - 11.15 Invited Talk (6)	<u>S. Patnaik</u>	ABS - Email - ICA New directions in layered chalcogenide superconductors

11.15 - 11.45 Invited Talk (7)	<u>R.K. Bhandari</u>	ABS - Email - ICA Use of Superconductivity in Indian Accelerator Programmes
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Session IV : 16.00 – 18.00

16.00 - 16.30 Invited Talk (8)	<u>T. Tamegai</u> , Y. Sun, Y. Tsuchiya, T. Yamuda, T. Taen, S. Pyon and Z.X. Shi	ABS - Email - ICA Bulk Superconductivity in Fe _{1+y} (Te,Se) Induced by Post Annealing
16.30 - 17.00 Invited Talk (9)	<u>Satyajit S. Banerjee</u> , Pabitra Mandal, Gorky Shaw, Neeraj Kumar, S.K. Dhar, A. Thamizhavel	ABS - Email - ICA Competition between magnetism and superconductivity in an underdoped Iron Pnictide superconductor
17.00 - 17.15 Oral (5)	<u>S.C. Singh</u> and John Costello	ABS - 907 - ICA Influence of Plasma parameters on the morphology of PLD synthesized YBCO thin films
17.15 - 17.45 Oral (6)	<u>P.K. Rout</u> , R.K. Rakshit, and R.C. Budhani	ABS - 1041 - ICA Proximity effect in La _{1.85} Sr _{0.15} CuO ₄ /La _{1.85} Sr _{0.15} Cu _{1-x} Co _x O ₄ /La _{1.85} Sr _{0.15} CuO ₄ Josephson Junctions
17.45 - 18.00 Oral (7)	<u>D. Behera</u>	ABS - 1445 - ICA Fluence Dependence of Flux Printing Mechanism in YBa ₂ Cu ₃ O _{7.8} /Ag Composite Films

Thursday, 19-12-2013

Session V : 10.15 – 11.15

10.15 - 10.45 Invited Talk (10)	<u>Jauyn Grace Lin</u>	ABS - Email - ICA Novel properties in heterostructures of unconventional superconductor and ferromagnet
10.45 - 11.15 Invited Talk (11)	<u>Z. Hossain</u>	ABS - Email - ICA Reentrant Superconductivity in Borides and Arsenides

Session VI : 11.45 – 13.15

11.45 - 12.15 Invited Talk (12)	<u>V.P.S. Awana</u>	ABS - Email - ICA Superconductivity in layered REO _{0.5} F _{0.5} Bi ₂ (RE = La, Pr and Nd)
12.15 - 12.45 Invited Talk (13)	<u>T.S. Datta</u>	ABS - Email - ICA Superconducting Magnet Development Programme at Inter-University Accelerator Centre, Delhi.

Poster Session :
Thursday 19-12-2013, 14.00 - 15.30

13 - Poster - 01	T.K. Jayasree, P. Predeep	Preparation and Characterization of High Tc-Superconducting (Bi ₂ Sr ₂ CaCu ₂ O) nano composites	ABS - 423 - ICA
13 - Poster - 02	Carlo Lamberti, Alessandro Pagliero, Lorenzo Mino, Elisa Borfecchia, Angelo Agostino, Gema Martínez-Criado and Marco Truccato	Oxygen doping modifications in Bi-2212 superconductor whiskers induced by a hard X-ray nano-beam	ABS - 994 - ICA
13 - Poster - 03	P.K. Rout and R.C. Budhani	Effect of Co doping in epitaxial La _{1.85} Sr _{0.15} CuO ₄ thin films	ABS - 1041 - ICA