

(02) Oxide Electronics

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DETAILED PROGRAMME**Monday, 12-12-2016****Session I : 14.15-15.45**

14.15-14.45 Invited Talk (1)	<u>Akifumi Matsuda</u> Satoru Kaneko Mamoru Yoshimoto	ABS-351-ICYRAM Low-temperature heteroepitaxy of wide-gap oxide semiconductor thin films
14.45-15.15 Invited Talk (2)	<u>Aveek Bid</u> Gopi Nath Daptary Shelender Kumar Prmod Kumar Anjana Dogra Dushyant Kumar N. Mohanta, A. Taraphder R. C. Budhani	ABS-634-ICYRAM Superconductivity in oxide heterostructure
15.15-15.30 Oral (1)	<u>A Joseph</u> D Tetzlaff, J Schmidt R Böttger, T F Wietler H J Osten	ABS-77-ICYRAM High Dose Nitrogen Ion Implantation Effects in Epitaxially Grown Gd ₂ O ₃ on Silicon new
15.30-15.45 Oral (2)	<u>Arpita Das</u> Pushan Guha Roy Sayantani Sen Anirban Bhattacharyya	ABS-216-ICYRAM Mg and Al co-doped ZnO thin films: Study of Various Photoconductivity Processes

Monday, 12-12-2016**Session II : 16.00-18.00**

16.00-16.30 Invited Talk (3)	<u>Naonori Sakamoto</u> Satoshi MIYAZAKI Kohei KASAMI Takahiko KAWAGUCHI Naoki WAKIYA Hisao SUZUKI	ABS-572-ICYRAM Cross sectional observation and piezoelectric response measurement of ferroelectric thin film using AFM
16.30-17.00 Invited Talk (4)	<u>P. Misra</u> V. K. Sahu R. S. Ajimsha B. Singh	ABS-Email-ICYRAM Dynamic processes of resistive memory switching in NiO thin film

17.00-17.15 Oral (3)	<u>Mahesh Chandra</u> Sarmistha Das, Fozia Aziz S Harisankar K.R. Mavani	ABS-346-ICYRAM Thickness and Doping Dependent Electronic States in NdNiO ₃ Thin Films
17.15-17.30 Oral (4)	<u>Arvind Kumar</u> Sandip Mondal K S R Koteswara Rao	ABS-357-ICYRAM Impact of Plasma Treatment on the Solution Route Fabricated High-k ZrO ₂ Thin Films MIS Device
17.30-17.45 Oral (5)	<u>S Santra</u> B K Barman K K Nanda, N S Das K K Chattopadhyay	ABS-407-ICYRAM CuBO ₂ hierarchical 3D star-like nano/microstructure for smart cold cathode application
17.45-18.00 Oral (6)	<u>Debaleen Biswas</u> Supratic Chakraborty	ABS-423-ICYRAM HfO ₂ -based gate dielectric for metal-oxide-semiconductor (MOS) devices application

Poster Session:

Monday, 12-12-2016, Time : 10.15-13.15

02-Poster-01	K S Suganthi K Harish P Swaminathan	ABS-174-ICYRAM ZnO nanofluids for electronic applications
02-Poster-02	Neha, Ruchi Tomar Bhanu Prakash Denis Maryenko Suvankar Chakraverty	ABS-179-ICYRAM Light-enhanced gating effect at oxide heterostructure interface
02-Poster-03	B Vijaykumar Madhuri Suresh P Savitha	ABS-300-ICYRAM Roughness and stress measurements of Silicon dioxide thin films: Comparison of contact stylus profiler with atomic force microscopy and laser scanning technique
02-Poster-04	Naveen Kumar Taylow M Wilkinson Corinne E Packard Mukesh Kumar	ABS-317-ICYRAM Design of Low surface roughness-Low residual stress-High optoelectronic merit a-IZO thin films for flexible OLEDs
02-Poster-05	Shwetha G Bhat P. S. Anil Kumar	ABS-345-ICYRAM Efficient electrical spin injection and detection using 3-terminal Fe ₃ O ₄ devices
02-Poster-06	Indrayani S Kadu Ulrike Lüders	ABS-354-ICYRAM Fabrication of nanorings at the LaAlO ₃ /SrTiO ₃ interface by electron beam lithography

02-Poster-07	Bramhachari Khamari B R K Nanda	ABS-370-ICYRAM Topologically Invariant States of Bi Based Perovskites
02-Poster-08	A Rambabu A Sundaresan	ABS-691-ICYRAM Effect of Substrate and Process Parameters of LaNiO ₃ Thin films Deposited by Pulsed Laser Deposition
02-Poster-09	O. Oluwaleye M. Madhuku S.J. Moloi	ABS-Email-ICYRAM Ion beam modification of transparent conducting oxide (TCO) thin Films by keV to MeV ions