

(01) Silicon Germanium

Co-chairs

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DETAILED PROGRAMME

Day: 14th December, 2016 Time: 14.15-15.45

Session: I

Invited Talk (14.15-14.45)	<u>K K Pandey</u>	ABS-Email-ICYRAM Effect of high pressures on structural aspects of Silicon
Invited Talk (14.45-15.15)	<u>Samaresh Das</u> Veerendra Dhyani Wasi Uddin	ABS-Email-ICYRAM Silicon Germanium Nanostructures for Electronic and Optoelectronic Devices
Oral (1) (15.15-15.30)	<u>Harsh Chaliyawala</u> Abhijit Ray Ranjan Pati Indrajit Mukhopadhyay	ABS-68-ICYRAM Metal particle induced, large surface area and random distribution of vertically aligned SiNWs arrays on n-type silicon substrates
Oral (2) (15.30-15.45)	<u>Arijit Sarkar</u> Ajit K Katiyar Samit K Ray	ABS-244-ICYRAM Plasmonic Au NPs enhanced optoelectronic properties of ZnO/ Si NW heterostructure

Day: 15th December, 2016 Time: 14.15-15.45

Session : II

Invited Talk (14.15-14.45)	<u>S Mukherjee</u> O Moutanabbir	ABS-Email-ICYRAM Atomistic Insights into Novel Group IV Semiconductors – From Isotopically Engineered Materials to Non-Equilibrium Alloys
Invited Talk (14.45-15.15)	<u>Saurabh Lodha</u>	ABS-Email-ICYRAM
Oral (3) (15.15-15.30)	<u>Saloni Chaurasia</u> <u>Srinivasan Raghavan</u> Sushobhan Avasthi	ABS-536-ICYRAM Epitaxial Germanium films on Silicon(100) for heterogeneous integration with Silicon Photonics
Oral (4) (15.30-15.45)	<u>Saloni Chaurasia</u> <u>Srinivasan Raghavan</u> Sushobhan Avasthi	ABS-590-ICYRAM Ohmic contact formation between Titanium Nitride and n type germanium thin films

Poster Session:

Day: WEDNESDAY 14.12.2016

Time 10.15-13.15

01-Poster -01	Sandeep Mahajan M. V. Rokade, S. T. Ali Arbind Kumar N. R. Munirathnam S. Deb, D. V. Sridhara Rao, L. Durai B. Srivathsa P.K. Sahu, S. Saha V.V. Bhanuprasad O.P. Thakur, A. K. Garg	ABS-63-ICYRAM Silicon Carbide (SiC) Single Crystal Bulk Growth and Challenges
01-Poster-02	Zaheer Ahmed Khan Nitesh Kumar Sinha Kamaljeet Singh	ABS-291-ICYRAM Circumventing convex corner undercutting phenomena in silicon bulk micromachining