

List of Publications of (2007-2008)

Journals

Dr. Susanta Maity

1. S. Maity B. S. Dandapat and A. Kitamura Liquid film flow due to an unsteady stretching sheet, *International Journal of Non-Linear Mechanics*, 43(2008), 880-886

Dr. Nabakumar Pramanik

1. **N. Pramanik**, S. K. Biswas and P. Pramanik, "Synthesis and characterization of hydroxyapatite-polyvinyl alcohol phosphate nanocomposite biomaterials", *International Journal of Applied Ceramic Technology*, vol.5 (2008) pp.20-28.
2. **N. Pramanik**, S. Mohapatra, S. Alam and P. Pramanik, "Synthesis of Hydroxyapatite / Poly (vinyl alcohol phosphate) Nanocomposite and its Characterization", *Polymer Composites*, vol.29 (2008) pp.429-436.

International Conferences

Dr. Pinaki Chakraborty

1. T. K. Maiti, S. S. Mahato, **P. Chakraborty**, S. K. Sarkar, and C. K. Maiti, "CMOS Performance Enhancement in Hybrid Orientation Technologies", 12th International Workshop on Computational Electronics (**IWCE-12**), University of Massachusetts, Amherst-USA, 2007, pp.1-2.
2. **P. Chakraborty**, S. S. Mahato, T. K. Maiti, S. Saha, and C. K. Maiti, "Technology CAD of non-Volatile SONOS Memory Devices," in Proc. of 14th International Workshop on the Physics of Semiconductor Devices (**IWPSD**), pp. 164-166, 2007.
3. T. K. Maiti, S. S. Mahato, **P. Chakraborty**, S. K. Sarkar, and C. K. Maiti, "Radiation Effects on Strain-Engineered p-MOSFETs," in Proc. of IEEE 14th International Workshop on the Physics of Semiconductor Devices (**IWPSD**), pp. 161-163, 2007.
4. T. K. Maiti, S. S. Mahato, **P. Chakraborty**, S. K. Sarkar, and C. K. Maiti, "RF Performance of Process-induced Strain-engineered n-MOSFETs", in Proc. of 14th International Workshop on the Physics of Semiconductor Devices (**IWPSD**), pp. 154-156, 2007.

5. T. K. Maiti, S. S. Mahato, **P. Chakraborty**, S. K. Sarkar, and C. K. Maiti, "Finite Element Analysis of Heat Transfer in Nanowires (NWs)," in Proc. of 14th International Workshop on the Physics of Semiconductor Devices (**IWPSD**), pp. 382-384, 2007
6. S. S. Mahato, T. K. Maiti, **P. Chakraborty**, S. K. Sarkar, and C. K. Maiti, "Reliability Predictions for Strained-Si/SiGe Quantum-Well p-MOSFETs," in Proc. of 14th International Workshop on the Physics of Semiconductor Devices (**IWPSD**), pp. 198-200, India, 2007.
7. S. S. Mahato, D. Mitra, T. K. Maiti, **P. Chakraborty**, B. Senapati, A. Chakravorty S. K. Sarkar, and C. K. Maiti, "Low Temperature Behavior of Strain-Si n-MOSFETs," Proc. of 14th International Workshop on the Physics of Semiconductor Devices (**IWPSD**), pp.115-118, 2007.
8. **P. Chakraborty**, S. S. Mahato, T. K. Maiti, S. Saha, and C. K. Maiti, "Nanocrystal non-volatile flash memory devices: A simulation study," in 4th International Conference on Nanotechnology & Health Care Applications (**NateHCA-07**), no-20., pp. D 46-50 2007.
9. S. Jasuja, S. Jaurwal, T. K. Maiti, **P. Chakraborty**, and C. K. Maiti, "Effect of High-k Dielectrics on Flash Memory Performance," in 4th International Conference on Nanotechnology & Health Care Applications (**NateHCA-07**), no-29, pp. 62-65, 2007.