

Program: Day 1 (25.11.2021) N.B: Program starts at 2.00 PM IST i.e. 9.30 AM CET

2.00-2.30 PM	Inauguration	<ul style="list-style-type: none"> ➤ Welcome address by Dr. Subhankar Bedanta, Convenor, Symposium on Magnetism and Spintronics (SMS-2021). ➤ Address by Prof. Sudhakar Panda, Director, National Institute of Science Education and Research, Bhubaneswar. ➤ Address by Prof. Karuna Kar Nanda, Director, Institute of Physics, Bhubaneswar. ➤ Address by Prof. Bedangadas Mohanty, Dean of Faculty Affairs, National Institute of Science Education and Research, Bhubaneswar. ➤ Address by Prof. Wolfgang Kleemann, Emeritus Professor, University of Duisburg-Essen, Germany. ➤ Vote of thanks by Prof. Anjan Barman, Core-committee member SMS-1, S N Bose National Centre for Basic Sciences, India.
Session I Session Chair: Saurav Giri		
2.30-3.00 PM	Invited	Universal domain wall dynamics in disordered ferroic materials Prof. Wolfgang Kleemann, Univ. Dui.-Essen, Germany
3.00-3.30 PM	Invited	Emergent Phenomena in Nanoscale Magnonics Prof. Anjan Barman, SNBNCBS, India
3.30-4.00 PM	Invited	Ferromagnetic/non-magnetic multi-layered systems: Understanding damping, spin transport and the role of proximity induced magnetism Prof. Del Atkinson, Durham Univ., UK
4.00-4.30 PM	Invited	Evidence of the inverse Rashba-Edelstein effect in heavy metal/Cu interfaces Prof. Haifeng Ding, Nanjing Univ., China
4.30-5.00 PM	BREAK	
Session II Session Chair: Prof. Indranil Sarkar		
5.00-5.15 PM	Contributory	Formation of 360° domain walls in magnetic thin films with uniaxial and random anisotropy Dr. Niru Chowdhury, IIT, Delhi
5.15-5.30 PM	Contributory	Role of spin-glass like frustration on exchange bias effect in Fe/Ir ₂₀ Mn ₈₀ and Ni ₅₀ Mn ₅₀ /Co ₄₀ Fe ₄₀ B ₂₀ bilayers Dr. Sagarika Nayak, NISER, Bhubaneswar
5.30-5.45 PM	Contributory	Degenerate skyrmionic states in synthetic antiferromagnets Ms. Mona M M Bhukta, Johannes Gutenberg University, Germany
5.45-6.00 PM	Contributory	Effect of random anisotropy in stabilization of skyrmions and antiskyrmions Mr. Gajanan Pradhan, INRIM, Italy
6.00-6.15 PM	Contributory	Effect of thermal annealing on the interfacial Dzyaloshinskii-Moriya interaction in perpendicularly magnetized Ta/Pt/CoFeB/Pt ultrathin films Dr. Bandapelli Ravi Kumar, IISC, Bangalore
6.15-6.30 PM	Contributory	Effect of MoS ₂ on magnetization reversal, magnetic domain structures and anisotropy of MoS ₂ /CoFeB heterostructures Dr. V. Thiruvengadam, NISER, Bhubaneswar
6.30-6.45 PM	Contributory	Origin of exchange bias in nanocrystalline CoCr ₂ O ₄ Dr. Debajyoti De, Sukumar Sengupta Mahavidyalaya, West Bengal
6.45-7.00 PM	Contributory	Device geometry dependent deterministic skyrmion generation from a skyrmionium Ms. Adyashakti Dash, NISER, Bhubaneswar
7.00-7.15 PM	Contributory	Spin pumping with low spin orbit coupling material C ₆₀ in a La _{0.67} Sr _{0.33} MnO ₃ /C ₆₀ system Mr. Aditya Kumar, University of Mainz, Germany
7.15-8.00 PM	BREAK	
Session III Session Chair: Prof. Bedangadas Mohanty		
8.00-8.15 PM	Contributory	Deterministic nucleation and efficient motion of skyrmions Dr. Sougata Mallick, Université Paris-Saclay, France
8.15-8.30 PM	Contributory	Metal/SrTiO ₃ and KTaO ₃ two-dimensional electron gases for spin-to-charge conversion Dr. Srijani Mallik, Université Paris-Saclay, France
8.30-8.45 PM	Contributory	Two-dimensional Heterostructure Field Effect Transistors with One-Dimensional electrical contacts leading to enhanced electrical performance and Ultra-Low Noise Dr. Aroop K. Behera, Kansas State University, USA
8.45-9.00 PM	Contributory	Josephson junctions containing Ni/Ru/Ni synthetic antiferromagnets Dr. Swapna Sindhu Mishra, Michigan State University, Michigan, USA
9.00-9.15 PM	Contributory	Efficient charge to spin conversion in 5d transition metal oxide Dr. Biswajit Sahoo, University of California, San Diego, USA

Join Zoom Meeting for 25th November 2021

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Meeting ID: 971 9725 1120

Passcode: xqTX7w

Youtube link: <https://youtu.be/1C0WPi05cCM>