

**Program Day I (05.01.2022)**

9.15-9.30	Inauguration	
Session-I Session Chair: Saurabh Kumar Srivastava		
9.30-10.15	MITHUN BHOWMIK	SHARP ADAMS TYPE INEQUALITIES FOR THE FRACTIONAL LAPLACE-BELTRAMI OPERATOR ON NONCOMPACT SYMMETRIC SPACES
10.15--11.00	MUNA NAIK	LARGE TIME BEHAVIOUR OF HEAT PROPAGATOR
Coffee /Tea Break		
Session-II Session Chair Sanjoy Pusti		
11.30-12.15	MD HASAN ALI BISWAS	CHARACTERIZATION OF FOURIER TRANSFORM OF H-VALUED FUNCTIONS ON THE REAL LINE
12.15-13.00	KANAILAL MAHATO	ON THE BOUNDEDNESS OF CONTINUOUS WAVELET TRANSFORM INVOLVING FRACTIONAL HANKEL TRANSFORM ON GELFAND-SHILOV SPACES
Lunch Break		
Session -III Session Chair P. Ratnakumar		
15.00-15.45	JAYANTA SARKAR	POINTWISE FATOU THEOREM AND ITS CONVERSE FOR SOLUTIONS OF THE HEAT EQUATION ON A STRATIFIED LIE GROUP
15.45-16.30	SURBHI BENIWAL	TENSOR PRODUCTS OF LOCAL OPERATOR SYSTEMS
Break		
Session 1V Thematic Lectures Session Chair S. Thangavelu		
18.30-19.:30	ANGELA PASQUALE	RESONANCE OF THE LAPLACIAN FOR RIEMANNIAN SYMMETRIC SPACE <b>Lect 1</b>
20.00-21.00	TOMASZ ZACHARY SZAREK	POINTWISE ERGODIC THEOREMS AND DISCRETE HARMONIC ANALYSIS <b>Lect 1</b>

**Program Day II (06.01.2022)**

Session-I Session Chair: Rahul Garg		
9.30-10.15	NICLAS TECHNAU	OSCILLATORY INTEGRALS AND FINE-SCALE STATISTICS
10.15-11.00	ANKIT BHOJAK	WEIGHTED WEAK TYPE BOUND FOR ROUGH MAXIMAL SINGULAR INTEGRALS NEAR $L^1$
Coffee /Tea Break		
Session-II Session Chair Parasar Mohanty		
11.30-12.15	KALACHAND SHUIN	WEIGHTED ESTIMATES FOR MAXIMAL PRODUCT OF SPHERICAL AVERAGES
12.15-13.00	RIJU BASAK	ON SHARP WEIGHTED $L_p$ -ESTIMATES FOR PSEUDO-MULTIPLIERS ASSOCIATED TO GRUSHIN OPERATORS
Lunch Break		
Session -III Session Chair Jotsaroop Kaur		
15.00-15.45	SANTOSH KUMAR NAYAK	PSEUDO-DIFFERENTIAL OPERATORS, WIGNER TRANSFORM AND WEYL TRANSFORM ON THE SIMILITUDE GROUP, $SIM(2)$
15.45-16.30	RACHNA AGGARWAL	GROUP OF ISOMETRIES OF AN INFINITE DIMENSIONAL HYPERBOLIC SPACE
Break		
Session 1V      Thematic Lectures Session Chair    E. K. Narayanan		
18.30-19:30	ANGELA PASQUALE	RESONANCE OF THE LAPLACIAN FOR RIEMANNIAN SYMMETRIC SPACE <b>Lect 2</b>
20.00-21.00	TOMASZ ZACHARY SZAREK	POINTWISE ERGODIC THEOREMS AND DISCRETE HARMONIC ANALYSIS <b>Lect 2</b>

**Program Day III (07.01.2022)**

Session-I Session Chair: V. Muruganandam		
9.30-10.15	TAPENDU RANA	$L^p$ -BOUNDEDNESS OF PSEUDO DIFFERENTIAL OPERATORS ON RANK ONE RIEMANNIAN SYMMETRIC SPACES OF NONCOMPACT TYPE
10.15-11.00	SANTANU DEBNATH	ON SOME ANALOGUES OF BEURLING'S THEOREM
Coffee /Tea Break		
Session-II Session Chair Swagato Roy		
11.30-12.15	ARATI SHASHI	WAVELET SYSTEM AND MUCKENHOUP A 2 CONDITION ON THE HEISENBERG GROUP
12.15-13.00	ARUP KUMAR MAITY	ON $L^p$ - $L^q$ MULTIPLIER
Lunch Break		
Session -III Session Chair R. Radha		
15.00-15.45	PRITAM GANGULY	AN UNCERTAINTY PRINCIPLE ON THE HEISENBERG GROUP
15.45-16.30	LUZ RONCAL	KATO-PONCE ESTIMATES FOR FRACTIONAL SUBLAPLACIANS
16.30- 18.15 <b>Felicitiation for Professor V Muruganandam</b>		
Session IV Thematic Lectures Session Chair Shobha Madan		
18.30-19.:30	ANGELA PASQUALE	RESONANCE OF THE LAPLACIAN FOR RIEMANNIAN SYMMETRIC SPACE <b>Lect 3</b>
20.00-21.00	TOMASZ ZACHARY SZAREK	POINTWISE ERGODIC THEOREMS AND DISCRETE HARMONIC ANALYSIS <b>Lect 3</b>

**Program Day IV (08.01.2022)**

Session-I Session Chair: Biswaranjan Behera		
9.30-10.15	RAJULA SRIVASTAVA	LEBESGUE SPACE ESTIMATES FOR SPHERICAL MAXIMAL FUNCTIONS ON HEISENBERG GROUPS
10.15-11.00	SURJEET SINGH CHOUDHARY	ON BILINEAR BOCHNER-RIESZ SQUARE FUNCTION
Coffee /Tea Break		
Session-II Session Chair: Pratyosh Kumar		
11.30-12.15	SOMNATH GHOSH	BENEDICKS-AMREIN-BERTHIER THEOREM FOR THE HEISENBERG MOTION GROUP
12.15-13.00	SUDIPTA SARKAR	REPRODUCING FORMULA ON NILPOTENT LIE GROUPS
Lunch Break		
Session -III Session Chair M.G. Nadkarni		
15.00-15.45	DURANTA CHUTIA	ON SOME GENERALIZED INEQUALITIES FOR THE INTEGRAL OPERATORS OF HARDY-STEKLOV TYPE
15.45-16.30	SANTI RANJAN DAS	TWISTED B-SPLINES IN THE COMPLEX PLANE
Announcement for Next Discussion Meeting		
Session IV      Thematic Lectures Session Chair      Gadadhar Misra		
18.30-19:30	ANGELA PASQUALE	RESONANCE OF THE LAPLACIAN FOR RIEMANNIAN SYMMETRIC SPACE <b>Lect 4</b>
20.00-21.00	TOMASZ ZACHARY SZAREK	POINTWISE ERGODIC THEOREMS AND DISCRETE HARMONIC ANALYSIS <b>Lect 4</b>