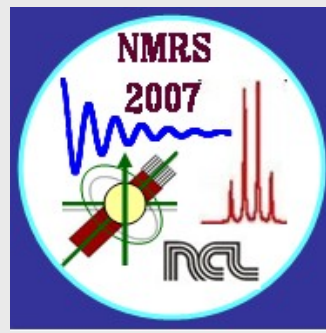


**Special Symposium on**  
**Current trends in Solid State NMR Methodology and Practice**  
**and**  
**13<sup>th</sup> National Magnetic Resonance Society Meeting**

to be held during  
05<sup>th</sup> to 08<sup>th</sup> February, 2007



**List of Authors presenting talks for NMRS 2007 symposium**

**(during 05<sup>th</sup> to 08<sup>th</sup> February 2007)**

Sr. No.	ID. No.	Abstract title	Name	University / Institute	Considered for
<b>Special Symposium on SS NMR methodology and practice (5<sup>th</sup> and 6<sup>th</sup> Feb 2007)</b>					
01	ING-01	NMR : From Whisky to Yoga and beyond	CL Khetrapal	SGPGIMS, Lucknow	Inaugural
02	SS-01	Overview of Solid State NMR	Anil Kumar	IISc, Bangalore	Special
03	SS-02	Adiabatic aspect of Heteronuclear Decoupling	Shimon Vega	Weizmann Institute of Science, Israel	Special
04	SS-03	Homonuclear dipolar decoupling in solid-state NMR	PK Madhu	TIFR, Mumbai	Special
05	SS-04	Novel solid-state NMR experiments developed using optimal control theory	Niels Nielsen	University of Aarhus, Denmark	Special
06	SS-05	Sculpting pulse sequences for solid state NMR using oriented Nematic liquid crystals	KV Ramanathan	IISc, Bangalore	Special
07	SS-06	Quadrupolar nuclei: new decoupling sequences and R <sup>2</sup> - HETCOR experiments.	Jean-Paul Amoureux	Centre de Résonance Magnétique Nucléaire, France	Special
08	SS-07	Time as a variable in the experimental quantum mechanics of spin	BC Gerstein	Iowa State University, Ames, IA	Special
09	SS-08	Fer expansion : An alternative to average Hamiltonian Theory	Narayanan Kurur	IIT, New Delhi	Special
10	SS-09	Contact Transformation methods for effective Hamiltonians and magic angle spinning.	Mangala Sunder Krishnan	IIT, Chennai	Special
11	SS-10	Current trends in Solid State NMR methodology and practice	Stefan Steuernagel	Bruker Application Lab, Germany	Special

<b>Sr. No.</b>	<b>ID. No.</b>	<b>Title</b>	<b>Name</b>	<b>University / Institute</b>	<b>Accepted for</b>
12	SS-11	Ultra-fast Magic Angle Spinning	Siegfried Hafner	Varian AG, Germany	Special
13	SPL-01	A Personal History of High Resolution Solid State NMR	BC Gerstein	Iowa State University, Ames, IA	Special
14	SS-12	Structure and mechanisms of biological membrane components	Huib de Groot	University of Leiden, The Netherlands	Special
15	SS-13	"TROSY" in MAS Solid State NMR	Bernd Reif	FMP, Berlin Germany	Special
16	SS-14	Local structure and dynamics of membrane proteins and membrane associated peptides as revealed by site directed Solid State NMR	Akira Naito	Graduate School of Engineering, Yokohama	Special
17	SS-15	Advances in Homo- and Heteronuclear Correlation Solid-state NMR Spectroscopy: Applications to Porous Nanoscale materials	Marek Pruski	Iowa State University, United States	Special
18	SS-16	Scalar couplings between half integer spins in solid state NMR	Michael Deschamps	CRMHT-CNRS, Orléans, France	Special
19	SS-17	Cluster and Periodic Calculations as Structural Aids in Solid State NMR	S Ganapathy	National Chemical Laboratory, Pune	Special
20	SS-18	Solid-State NMR Methods for studying molecular 3D-structure and dynamics	Huib de Groot	University of Leiden, The Netherlands	Special
21	SS-19	Solid-state NMR studies of oriented membrane proteins – approaches for non-perfectly aligned large membrane proteins	Niels Nielsen	University of Aarhus	Special
22	SS-20	Solid State NMR Studies in Tissues, Muscles and Bones	G Govil	TIFR, Mumbai	Special

Sr. No.	ID. No.	Title	Name	University / Institute	Accepted for
23	SS-21	Advances to enable <sup>69,71</sup> Ga Nuclear Magnetic Resonance of Thin GaN films	James P Yesinowski	Naval Research Laboratory, Washington	Special
24	SS-22	Industrial application of Multi-Nuclear Solid State NMR using High Field (16.4T) and Super high field (21.8T)	Koji Saito	Nippon Steel Corporation, Japan	Special
26	SSSP-01	Optically generated nuclear spin-orientation in semiconductors	Kannan Ramaswamy	Washington University, United States	Short Oral
25	SSSP-02	In-situ MAS NMR and its application in Heterogeneous Catalysis	SS Ray	IIP, Dehradun	Short Oral
27	SSSP-03	Solid-State NMR of MgAl <sub>2</sub> O <sub>4</sub> Nanoparticles	TG Ajith Kumar	NCL, Pune	short Oral
28	SSSP-04	Structural studies on heavy metal oxide containing phosphate and silicate based glasses using solid state NMR	V Sudarsan	BARC, Mumbai	Short oral
29	AWD 1	NMR of Proteins and Nucleic Acids	KVR Chary	TIFR, Mumbai	INSA Award lecture



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13 <sup>th</sup> NMRS meeting (7 <sup>th</sup> and 8 <sup>th</sup> Feb 2007)					
30	PL-01	Foldamers & Tylogomers from Peptides containing C-linked Carbo $\beta$ -amino acid and C-linked Carbo $\gamma$ -amino acid	<b>Ajith Kunwar</b>	IICT, Hyderabad	Plenary
31	IN-01	Spin State Selective Excitation of Single Quantum Transitions Using Multiple Quantum Spectroscopy – an Aid to Analyse Complex Proton NMR spectra of Oriented Molecules	<b>N Suryaprakash</b>	IISC, Bangalore	Invited
32	SP-01	Heteronuclear Polarization Transfer In Static Oriented System Using A Windowless Multiple Pulse Sequence.	<b>S Jayanthi</b>	IISc, Bangalore	ORAL
33	SP-02	Triple Resonance Solid State NMR Experiments For $^{13}\text{C}$ And $^{15}\text{N}$ Labeled Proteins In Aligned Samples	<b>Neeraj Sinha</b>	University of California, USA	ORAL
34	SP-03	Assignment Of Stereochemistries In Highly Functionalized Tetrahydrofurans And Their Spiro-Derivatives With NMR Spectroscopy	<b>Palwinder Singh</b>	Guru Nanak Dev University, Amritsar	ORAL
35	PL-02	General principle and application of variable-pressure NMR spectroscopy in Proteins	<b>K Akasaka</b>	Kinki University, Japan	Plenary
36	IN-02	G-Matrix Fourier Transform (GFT) NMR: A breakthrough in NMR spectroscopy for rapid data collection	<b>HS Atreya</b>	IISC, Bangalore	Invited
37	IN-03	Non-Arrhenius behavior of aromatic ring-flip rates in Proteins revealed by pure EXSY	<b>AK Bhuyan</b>	School of Chemistry , University of Hyderabad	Invited
38	IN-04	$^{129}\text{Xe}$ NMR studies of surface induced anisotropy and configurational transitions in liquid crystals confined to submicron cylindrical cavities	<b>B Jagadeesh</b>	IICT, Hyderabad	Invited

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39	SP-04	<i>de novo</i> Design and NMR Study of Helix-Turn-Helix Structure from Short and Robust Mixed Helices Derived From C-Linked Carbo- $\beta$ -Amino Acids	<b>K Narsimulu</b>	IICT, Hyderabad	ORAL
40	SP-05	Low Abundance Single Transition Correlation Spectroscopy	<b>V Ramesh</b>	IIT, Chennai	ORAL
41	PL-03	NMR exploration of the protein world	<b>RV Hosur</b>	TIFR, Mumbai	Plenary
42	IN-05	The Structural basis for eukaryotic mRNA recognition by the decapping enzyme(Dcp2) from budding Yeast	<b>Mandar Deshmukh</b>	CCMB, Hyderabad	Invited
43	IN-06	NMR analysis of peptides obtained from different sources	<b>S Raghothama</b>	Guru Nanak Dev University, Amritsar	Invited
44	IN-07	Solution structural studies of Acetohydroxy acid synthase	<b>Siddharth Sarma</b>	IISC, Bangalore	Invited
45	PL-04	Recent Advances in Quantum Computing by NMR	<b>Anil Kumar</b>	IISC, Bangalore	Plenary
46	IN-08	Preserving multiple quantum coherence	<b>Dieter Suter</b>	Univrsität Dortmund, Germany	Invited
47	SP-06	Canonical 3-Qubit States, Entanglement And Quantum Decoherence.	<b>Kavita Dorai</b>	IIT, Madras	ORAL
48	SP-07	Coherent Control In NMR	<b>TS Mahesh</b>	University of Dortmund, Germany	ORAL

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49	SP-08	NMR Implementation Of Quantum Version Of Ulam's Game	Avik Mitra	IISc, Bangalore	ORAL
50	PL-05	Motional dynamics and conformational change in Spin Labeled Hemoglobin and Reconstituted Hemoglobin	PT Manoharan	IIT, Chennai	Plenary
51	IN-09	Developments in probe technology	Detlef Moskau	Bruker AG, Switzerland	Invited
52	IN-10	Development of balanced circuit double-tuned solid NMR probe	K Eguchi	Jeol, Ltd. Japan	Invited
53	SP-09	Investigation of the dynamics of protein and RNA in a protein-RNA complex	S Ravindranathan	NCL, Pune	ORAL
54	SP-10	Structure Of A Novel Calcium Binding Protein From <i>Entamoeba Histolytica</i> (Ehcabp2)	Sourajit M Mustafi	TIFR, Mumbai.	ORAL
55	SP-11	NMR Characterization Of The Dynamic Energy Landscape Of Sumo-1	Ashutosh kumar	TIFR, Mumbai.	ORAL
57	PL-06	Recent development in radiofrequency CW and FT-EPR functional imaging	S Subramanian	National cancer Institute, USA	Plenary
58	IN-11	Role of <i>in vivo</i> MRS in Cancer	Uma Sharma	AIIMS, New Delhi	Invited
59	IN-12	Molecular Imaging: visualizing the early molecular markers of disease	VK Suderaraman	Philips, New Delhi	Invited

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60	SP-12	Voxel Based Morphometric Study To Assess Age Related Volumetric Changes- A Study In The Indian Context.	Manisha Bhattacharya	INMAS, New Delhi.	ORAL
61	SP-13	In-situ EPR study of reactive oxygen species in metallosilicate molecular sieves for chemoselective oxidation of hydrocarbons	D Srinivas	NCL, Pune	ORAL
62	IN-13	HR-MAS Spectroscopy and its clinical perspective	Raja Roy	CDRI, Lucknow	Invited
63	IN-14	Malarial Parasite affects Liver Metabolism: <sup>1</sup> H NMR Investigations	HM Sonawat	TIFR, Mumbai	Invited
64	IN-15	<i>In vivo</i> NMR Studies of Neurotransmitter Metabolism in Rat Brain	Anant Patel	CCMB, Hyderabad	Invited
65	SP-14	Complete Characterization Of Components Of Bile Acids In Human Bile By NMR : A Route For Diagnosis Of Gall Bladder Malignancy	BS Somashekar	SGPGIMS, Lucknow	ORAL
66	SP-15	HR-MAS Spectroscopy Of Oral Cancer Tissues And Their Assessment With Histopathological Examination	AA Sonkar	KG Medical University Lucknow	ORAL



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