

**The 6th INTERNATIONAL CONFERENCE
on
GRAVITATION & COSMOLOGY (ICGC-07)
December 17-21, 2007
IUCAA, Pune, India.**

Venue : All Plenary Lectures are in Chandrasekhar Auditorium and the Parallel Workshop Sessions are as indicated separately

Day 0: 16/12/2007

14:30 Registration opens (IUCAA Guest House, NALANDA)
19:30 Reception Dinner (IUCAA Rose Garden)

Day 1: 17/12/2007

08:00 – 09:00 Registration (IUCAA Guest House, NALANDA)
09:00 – 09:30 **Opening Session & Welcome Note (Chandrasekhar Auditorium)**
09:30 – 10:30 Gary Hinshaw *Status of WMAP Data*
Tea break
11:00 – 12:00 Subhabrata Majumdar *Cosmology with Clusters in the CMB*
12:00 – 13:00 HongSheng Zhao *Dark Matter and Dark Energy: Puzzles
and an alternative solution*
Lunch Break
14:30 – 15:30 Parallel Workshop Sessions
Tea break
16:00 – 17:30 Parallel Workshop Sessions
Tea + snacks
18:30 Public Lecture by Gary Hinshaw (Chandrasekhar Auditorium)

Day 2: 18/12/2007

09:00 – 10:00	John Conklin	<i>The Gravity Probe B Experiment and Results</i>
10:00 – 11:00	Subir Sarkar	<i>Cosmology beyond the Standard model</i>
	Tea break	
11:30 – 12:30	Parampreet Singh	<i>Big Bang Singularity Resolution in Loop Quantum Cosmology</i>
12:30 – 13:00	David Langlois	<i>Cosmological perturbations from inflation</i>
	Lunch Break	
	Tea break	
16:00 – 17:30	Parallel Workshop Sessions	
	Tea + snacks	
20:00	CONFERENCE BANQUET (IUCAA Recreation centre, CHITTARANJAN)	

Day 3: 19/12/2007

09:00 – 10:00	B. Sathyaprakash	<i>Physics, Astrophysics and Cosmology with Gravitational Waves</i>
10:00 – 11:00	Rana Adhikari	<i>Survey of Gravitational Waves Experiments</i>
	Tea break	
11:30 – 12:30	John Baker	<i>Survey of Numerical Relativity Results</i>
12:30 – 13:00	Alessandra Buonanno	<i>Interfacing Analytical and Numerical Relativity in modeling binary black hole coalescences</i>
	Lunch Break	
14:30 – 15:30	Parallel Workshop Sessions	
	Tea break	
16:00 – 17:30	Parallel Workshop Sessions	
	Tea + snacks	
18:00	ASTROSAT PROGRAM	

Day 4: 20/12/2007

09:00 – 10:00 Maria Alessandra Papa *Data Analysis for Gravitational Wave Detectors*
10:00 – 11:00 Andy Fabian *X-ray detection of spinning black hole*

Tea break

11:30 – 12:30 Sumit Das *Cosmological Singularities in String Theory and Gauge-Gravity Duality*
12:30 – 13:00 Samir Mathur *What do black holes tell us about the state of the early Universe?*

Lunch Break

14:30 – 15:30 Alejandro Corichi *Black Holes in Loop Quantum Gravity*

Tea break

16:00 – 17:30 Parallel Workshop Sessions

Tea + snacks

CULTURAL PROGRAM (Kathak Ranjani)
(Chandrasekhar Auditorium)

Day 5: 21/12/2007

09:00 – 10:00 Madhavan Varadarajan *Quantum Gravity and the Information Loss Problem*
10:00 – 11:00 Andrew Jaffe *The Future of CMB Studies*

Tea break

11:30 – 12:00 Martin Reuter *Asymptotic safety in Quantum Gravity*
12:00 – 12:30 Keiichi Maeda *Beyond the Einstein-Hilbert Action*

12:30 – 13:00 Juergen Ehlers *Summary*

Lunch Break