

# *Workshop and discussion meeting on black holes, spacetime singularities and cosmic censorship*

## PROGRAMME

Venue: AG66, Lecture Theater

March 4 (Saturday)

### Morning Session

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
9:30-10:00	Inauguration	
10:00-11:00	Hideo Kodama	Black Holes and Singularities in Higher Dimensions
11:00-11:30	Tea Break	
11:30-12:30	Susan Scott	Boundary constructions and singularity theorems.

Lunch 12:30 - 2:00 pm

### Afternoon 2:00 pm : Discussion Session on Gravitational Collapse and Cosmic Censorship

Chair : Pankaj S Joshi

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
2:00-2:30	P S Joshi	Open issues and challenges
2:30-3:00	Mitsuda, Eiji (Nagoya University)	Stability of self similar solution for gravitational collapse.
3:00-3:30	D Malaferina	Dynamics of spherical shells with general equation of state
3:30-4:00	Tea Break	
4:00-5:30	A Mahajan, others	

March 5 (Sun)

Morning session

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
9:00-10:00	H. Ishihara (Osaka City University)	Inner Structure of Kaluza-Klein Black holes
10:00-11:00	N. Dadhich (IUCAA,Pune)	Gauss-Bonnet Gravity
11:00-11:30	TEA BREAK	
11:30-12:30	Miyamoto, Unpei (Waseda University)	New stable state of inhomogeneous black strings.

Lunch 12:30 - 2:00 pm

Afternoon 2:00 pm : Discussion Session on Higher-Dimensional Theories

Chair : H. Ishihara

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
2:00-2:30	Chair	Open issues and Challenges
2:30-3:00	Maeda, Hideki (Waseda University)	Final fate of the gravitational collapse in Einstein-Gauss-Bonnet gravity.
3:00-3:30	S Sarwe (Nagpur University)	Gravitational Collapse in higher dimensions.
3:30-4:00	Tea Break	
4:00-4:30	Iguchi, Hideo (Nihon University)	Solitonic solution generation of five-dimensional general relativity
4:30-5:30	S.Sur, G khadekar, others	

## March 6 (Mon)

### Morning Session

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
9:00-10:00	Nambu, Yasusada (Nagoya University)	Accelerating Universe via spatial averaging
10:00-11:00	G. Burbidge	Observational Evidence for the ejection of QSOs from active galaxies
11:00-11:30	Tea Break	
11:30-12:30	T Harada (Kyoto University)	Primordial black holes in scalar field/quintessence cosmology

Lunch 12:30 - 2:00 pm

### Afternoon 2:00 pm : Discussion Session on Non-Stellar Systems and Cosmology

Chair : R. Tavakol

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
2:00-2:30	Chair	Open issues and Challenges
2:30-3:00	S Jhingan (Kyoto University)	Non-spherical Collapse and renormalization group.
3:00-3:30		
3:30-4:00	Tea Break	
4:00-5:30	H Iguchi, others	

## March 7 (Tuesday)

### Morning session

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
9:00-10:00	Filipe Mena	Non-spherical matching models of gravitational collapse - theory and applications
10:00-11:00	Ken-ichi Nakao (Osaka City University)	Cylindrical Collapse
11:00-11:30	Tea Break	
11:30-12:30	Nakamura, Kouji (National Astronomical Observatory of Japan)	Second order gauge invariant perturbation theory

Lunch 12:30 - 2:00 pm

### Afternoon 2:00 pm : Discussion Session on Naked Singularities and Non-Spherical Systems

Chair : K. Nakao

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
2:00-2:30	Chair	Open issues and Challenges
2:30-3:00	U Debnath (Jadhavpur University)	Quasi-Spherical Gravitational Collapse
3:00-3:30	Yoo, Chul-Moon , (Osaka City University)	Hoop conjecture in five dimensions: Violation of Cosmic Censorship
3:30-4:00	Tea Break	
4:00-4:30	I Dwivedi	TBA
4:30-5:30	S Gutti, others	

March 8 (Wed)

<i>Time-Slot</i>	<i>Speaker</i>	<i>Title</i>
9:00-10:00	R Tavakol	Cosmological collapse in Loop Quantum Cosmology
10:00-11:00	Kurita, Yasunari (YITP, Kyoto University)	Thermodynamics of Kaluza-Klein black holes.
11:00-11:30	Tea Break	
11:30-12:00	T P Singh	TBA
12:00-1:00	Conference Review	

Lunch : 1:00 pm