

**Monday (June 7)**

18.00 – 20.00 Registration and Welcoming Reception

**Tuesday (June 8)**

	<b>Main Session</b>			<b>Parallel Session</b>	
08.45–09.15	Registration / Welcome				
	<i>Chairman Richard Woodard</i>				
09.15–10.00	Valeri Frolov	Applications of hidden symmetries to black hole physics			
10.00–10.45	Ruth Gregory	Gauss-Bonnet Holographic Superconductors			
10.45–11.05	<b>Coffee Break</b>				
	<i>Chairman Subir Sarkar</i>				
11.05–11.45	David Polarski	Dark energy			
11.45–12.25	Konstantinos Dimopoulos	The quantum origin of cosmic structure: theory and observations			
12.30–15.00	<b>Lunch Break</b>				
	<i>Chairman Thomas Sotiriou</i>			<i>Chairman Manolis Plionis</i>	
15.00–15.20	Theocharis Apostolatos	Searching for non-Kerr objects	15.00–15.20	John Miritzis	FRW models in the conformal frame of f(R) gravity
15.20–15.40	Georgios Kofinas	Transplanckian bremsstrahlung and black hole production	15.20–15.40	Shimon Rubin	Non-closed Universe and Zero Cosmological Constant from Normalized General Relativity
15.40–16.00	Roman Konoplya	Long life of Gauss-Bonnet corrected black holes	15.40–16.00	Vasilis Oikonomou	Corrections to Gravity due to a Sol Manifold Extra Dimensional Space
16.00–16.20	Malcolm Anderson	Horizons, Singularities and Causal Structure of the Generalized McVittie Spacetimes	16.00–16.20	Adriano Contillo	Inflationary solutions in asymptotically safe higher-order gravity theories
16.20–16.40	Nikolaos Fanidakis	Modelling SMBHs in cosmological simulations	16.20–16.40	Ahmad Al Badawi	Search for Gravitational waves through Polarization vector of the electromagnetic wave upon encountering with Gravitational Sandwich Wave
16.40–17.00	<b>Coffee Break</b>		16.40–17.00	<b>Coffee Break</b>	
	<i>Chairman Christos Tsagas</i>			<i>Chairman Theodosios Christodoulakis</i>	
17.00–17.20	Manolis Plionis	Cosmological constraints using high-z X-ray AGNs	17.00–17.20	Michael Gabler	Torsional shear oscillations of magnetized neutron stars
17.20–17.40	Spyros Basilakos	Hubble expansion & formation of structures in time varying vacuum models	17.20–17.40	Paul Lasky	Black holes and neutron stars in Tensor-Vector-Scalar theory
17.40–18.00	Savvas Nesseris	A model independent null test on the cosmological constant	17.40–18.00	Chris Kouvaris	Can Neutron Stars constrain Dark Matter?
18.00–18.20	D.Papadopoulos	Tensor perturbations in Starobinski's inflationary scenario	18.00–18.20	Charalampos Markakis	Quasi-equilibrium models of magnetized compact objects
21.00–22.00	K.Kokkotas	Public Lecture (in Greek): General Relativity as a tool for studying the Universe			

**Wednesday, June 9**

	<b>Main Session</b>				
	<i>Chairwoman Ruth Gregory</i>				
09.00–09.45	Ofer Lahav	The Observational Status of LCDM			
09.45–10.30	Subir Sarkar	Cosmology beyond the standard model			
10.30–10.50	<b>Coffee Break</b>				
	<i>Chairman Valeri Frolov</i>				
10.50–11.35	Jose A. Font	Relativistic MHD simulations of stellar core collapse and magnetars			
11.35–12.10	Dimitrios Giannios	Several aspects of MHD driven, relativistic jets			
12.10–12.45	Christos Tsagas	Large-scale peculiar motions and cosmic acceleration			
13.00–15.00	<b>Lunch Break</b>				
15.00–22.30	Free Afternoon or Excursion to Parga - Lychnos Beach				

**Thursday, June 10**

	<b>Main Session</b>			<b>Parallel Session</b>	
	<i>Chairman Kostantinos Kokkotas</i>				
09.00–09.45	Joan Sola	Cosmologies with a time dependent vacuum			
09.45–10.30	Richard Woodard	Nonlocal Models of Cosmology			
10.30–10.50	<b>Coffee Break</b>				
	<i>Chairman Nikolaos Mavromatos</i>				
10.50–11.25	Ioannis Bakas	Instantons of Horava-Lifshitz gravity			
11.25–12.00	Thomas Sotiriou	Horava-Lifshitz gravity: infrared dynamics and viability			
12.00–12.25	Theodosios Christodoulakis	Canonical Quantization of some midi-superspace models and the Classical Equivalence problem			
13.00–15.00	<b>Lunch Break</b>				
	<i>Chairman Spyros Basilakos</i>			<i>Chairman Elias Vagenas</i>	
15.00–15.20	Alexey Toporensky	Cosmological dynamics in generalized modified gravity	15.00–15.20	Thomas Cailleteau	Observational consequences of Loop Quantum Cosmology
15.20–15.40	Laur Jarv	Scalar-tensor cosmologies with a potential in the general relativity limit	15.20–15.40	Rodrigo Ferreira Sobreiro	Affine gauge theory of gravity and its reduction to the Riemann-Cartan geometry
15.40–16.00	Anastasios Avgoustidis	Constraints on cosmic opacity and beyond the standard model physics from cosmological distance measurements	15.40–16.00	Minas Tsoukalas	Gauss-Bonnet Perturbations in Codimension-2 brane worlds
16.20–16.20	Juan C.B. Sanchez	Growth of matter and dark energy perturbations in scalar-tensor cosmologies	16.20–16.20	Petros Wallden	The problem of time in quantum cosmology, a decoherent histories view
16.20–16.40	<b>Coffee Break</b>		16.20–16.40	<b>Coffee Break</b>	
	<i>Chairman Nikolaos Stergioulas</i>			<i>Chairman Juan C.B. Sanchez</i>	
16.40–17.00	Georgios Kraniotis	Precise analytic treatment of Kerr and Kerr-(anti) de Sitter black holes as gravitational lenses	16.40–17.00	Angelo Tartaglia	Lensing in an elastically strained space-time
17.00–17.20	Cosimo Bambi	Violation of the Carter-Israel conjecture and its astrophysical implications	17.00–17.20	C Sofia Carvalho	Unlensing the CMB: a real space approach to extract the weak lensing potential
17.20–17.40	Nikolaos Pappas	Bulk Decay of (4+n)-Dimensional Simply Rotating Black Holes: Tensor Type Gravitons	17.20–17.40	Michele Armano	LISA Pathfinder, the Experiment and the Route to LISA
17.40–18.00	Ivan Cagnani	Galactically inertial space probes for the direct measurement of the metric expansion of the universe	17.40–18.00	Andrew Beckwith	Cosmic deceleration parameter $q(z)$ dependence upon gravitons? Implications for DM models
18.00–20.00	<b>Society meeting</b>				
20.00–23.00	<b>Banquet</b>				

During the afternoon parallel sessions, there will also be a 2 hour round table general discussion session. The topics of this session will not necessarily overlap with the parallel sessions. More details will be announced soon.

## Friday, June 11

	Main Session			Parallel Session	
	<b>Chairwoman</b> <i>Mairi Sakellariadou</i>				
09.00–09.45	Dimitris Psaltis	Testing the No-Hair Theorem with Astrophysical Black Holes			
09.45–10.20	Nikolaos Tetradis	Black holes, Holography and Thermodynamics of Gauge Theories			
10.20–10.45	Joshua Erlich	A Coherent State Principle for Gravity			
10.45–11.05	<b>Coffee Break</b>				
	<b>Chairman</b> <i>Jose A. Font</i>				
11.05–11.40	Nikolaos Mavromatos	Stringy space time foam and gamma ray astronomy			
11.40–12.15	Mairi Sakellariadou	Cosmology within the Non-Commutative Spectral Action			
12.15–12.50	Nikolaos Spyrou	Conformal Dynamical Equivalence and Applications			
13.00–15.00	<b>Lunch Break</b>				
	<b>Chairman</b> <i>Theocharis Apostolatos</i>			<b>Chairman</b> <i>Konstantinos Dimopoulos</i>	
15.00–15.20	Nikolaos Stergioulas	Black hole space-times with self-gravitating, massive accretion tori	15.00–15.30	Kostas Kleidis	A conventional form of Dark Energy
15.20–15.40	Elias Vagenas	Quantum Gravity Corrections and Entropy at the Planck time	15.30–15.50	Naef Joachim	On the Spin Precession in $f(R)$ Gravity
15.40–16.00	Taxiarchis Papakostas	The problem of the interior Kerr solution	15.50–16.10	Esra Tigrak	Schrodinger Solutions and the Cosmic Web
16.00–16.20	Diego Rubiera-Garcia	Black holes from generalized gauge field theories			
16.20–16.40	Evangelos Melas	Review of the work on the representation theory of BMS group and its variants			
	<b>Conclusion</b>				

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