

**GRG18/AMALD7 CONCURRENT SESSION PROGRAM**

**MONDAY 9 JULY**

**A1a**

**GRG: Exact Solutions and their Interpretation**

**1400 - 1600**

**Room: Bayside 202**

1400	-	1415	Roy P.	Kerr	ON THE DISCOVERY OF THE KERR METRIC - COMMON MYTHS.
1415	-	1430	Robert H.	Gowdy	CYLINDRICAL WAVES IN EXPANDING UNIVERSES
1430	-	1445	Martin	Zofka	CYLINDRICAL SPACETIMES WITH NON-ZERO COSMOLOGICAL CONSTANT AND THEIR SOURCES
1445	-	1500	Malcolm Angus Hugh	MacCallum	LOCALLY DISCRETELY ISOTROPIC SPACE-TIMES
1500	-	1515	Norbert	Van Den Bergh	A NEW INVARIANT CLASSIFICATION OF BIANCHI CLASS A PERFECT FLUIDS
1515	-	1530	Jiri	Podolsky	HIGHER DIMENSIONAL ROBINSON-TRAUTMAN SPACETIMES
1530	-	1545	Thomas	Bäckdahl	AXISYMMETRIC STATIONARY SPACETIMES WITH ARBITRARY MULTIPOLE MOMENTS
1545	-	1600	Krzysztof	Bolejko	THE SZEKERES MODEL AND ITS COSMOLOGICAL INTERPRETATION

**A4a**

**GRG: Alternative Theories of Gravity**

**1400 - 1600**

**Room: Bayside 103**

1400	-	1415	Keisuke	Izumi	ABOUT THE GHOST IN THE MASSIVE GRAVITY THEORY
1415	-	1430	Norihiro	Tanahashi	TIME-SYMMETRIC INITIAL DATA OF BRANE-LOCALIZED BLACK HOLE IN RS-II MODEL
1430	-	1445	Archan S.	Majumdar	BLACK HOLES IN ALTERNATE GRAVITY THEORIES AND THEIR OBSERVATIONAL CONSEQUENCES
1445	-	1500	Sushant	Ghosh	CHARGED NULL FLUID COLLAPSE IN EINSTEIN GAUSS-BONNET GRAVITY
1500	-	1515	Naresh	Dadhich	ORIGIN OF MATTER OUT OF PURE CURVATURE
1515	-	1530	Alikram N.	Aliev	EXACT SOLUTIONS IN AXI-DILATON GRAVITY WITH GAUSS-BONNET TERM
1530	-	1545	Julio	Oliva	STATIC WORMHOLE SOLUTION IN VACUUM IN FIVE DIMENSION
1545	-	1600	Neda	Bostani	SPACETIME WITH LONGITUDINAL MAGNETIC FIELD IN THIRD ORDER LOVELOCK GRAVITY

**B1-2a**

**GRG:Relativistic Astrophysics**

**1400 - 1600**

**Room: Auditorium**

1400	-	1424	Peter	Diener	KICKS FROM SPINNING BLACK HOLE MERGERS
1424	-	1448	Mark	Hannam	WHY NUMERICAL RELATIVITY PRODUCES LARGE KICKS
1448	-	1512	Pablo	Laguna	BINARY BLACK HOLES: SPINS, KICKS, ECCENTRICITIES AND THEIR ECHOES IN THE UNIVERSE
1512	-	1536	Bernard	Kelly	ADVANCES IN BLACK-HOLE MERGERS: SPINS AND UNEQUAL MASSES
1536	-	1600	Mark	Scheel	SIMULATING MULTIPLE ORBITS OF BINARY BLACK HOLES

**D1a**

**GRG:Quantum Aspects of Black Holes**

**1400 - 1600**

**Room: Bayside 201**

1400	-	1424	Gary	Horowitz	MICROSTATES OF A NEUTRAL BLACK HOLE IN STRING THEORY
1424	-	1448	Donald	Marolf	UNITARITY AND BLACK HOLE STATES
1448	-	1512	Chiang-Mei	Chen	EXTREMAL BLACK HOLES IN 4D GAUSS-BONNET GRAVITY
1512	-	1536	Keiju	Murata	FATE OF KALUZA-KLEIN BLACK HOLES
1536	-	1600	Simon	Ross	NON-SUPERSYMMETRIC SMOOTH SOLUTIONS AND BLACK HOLE MICROSTATES

**E1a**

**GRG:Analogue Gravity**

**1400 - 1600**

**Room: Bayside 203**

1400	-	1420	Ralf	Schuetzold	INTRODUCTION
1420	-	1440	William	Unruh	WHERE DO THE PARTICLES IN BLACK HOLE EVAPORATION ORIGINATE?
1440	-	1500	Matt	Visser	ANALOGUE RAINBOW GEOMETRIES
1500	-	1520	Silke	Weinfurtner	ROBUSTNESS OF COSMOLOGICAL PARTICLE PRODUCTION
1520	-	1540	Angela	White	SIGNATURE-CHANGE EVENTS AND TRANS-PLANCKIAN PHYSICS IN BOSE-EINSTEIN CONDENSATES
1540	-	1600	Craig	Savage	LIMITS TO THE ANALOGUE HAWKING TEMPERATURE IN A BOSE-EINSTEIN CONDENSATE

**M1a**

**Status of Current GW Detectors**

**1400 - 1600**

**Room: Bayside Terrace**

1400	-	1430	Daniel	Sigg	STATUS OF THE LIGO DETECTORS
1430	-	1445	Henrich	Heitmann	THE COMMISSIONING OF THE VIRGO GRAVITATIONAL WAVE DETECTOR
1445	-	1500	Frederique	Marion	STATUS OF VIRGO
1500	-	1520	Hartmut	Grote	THE STATUS OF GEO 600
1520	-	1540	Ryutaro	Takahashi	OPERATIONAL STATUS OF TAMA300 WITH THE SEISMIC ATTENUATION SYSTEM (SAS)
1540	-	1600	Kazuhiro	Yamamoto	THE CURRENT STATUS OF THE CLIO PROJECT

**A1b**

<b>GRG: Exact Solutions and their Interpretation</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 202</b>					
1630	-	1645	Paul D	Lasky	GRAVITATIONAL COLLAPSE OF SPHERICALLY SYMMETRIC PLASMAS IN GENERAL RELATIVITY
1645	-	1700	Andrzej	Krasinski	SINGULARITIES IN THE EVOLUTION OF SPHERICALLY SYMMETRIC CHARGED DUST
1700	-	1715	David	Hobill	PHYSICALLY REALISTIC SOLUTIONS FOR CHARGED FLUID SPHERES
1715	-	1730	Suryakumari	Mishry	EXACT SOLUTIONS FOR RADIATING STELLAR MODELS
1730	-	1745	Muhammad	Sharif	GRAVITATIONAL COLLAPSE WITH COSMOLOGICAL CONSTANT
1745	-	1800	Samad	Khakshournia	MATCHING LTB AND FRW SPACETIMES ALONG A NULL HYPERSURFACE
1800	-	1815	Sushant	Ghosh	NON-SPHERICAL COLLAPSE OF A TWO FLUID STAR
1815	-	1830	Petarpa	Boonserm	BUCHDAHL-LIKE TRANSFORMATIONS FOR PERFECT FLUID SPHERES
<b>A2a</b>					
<b>GRG: Complex Methods, Twistors and Connection Variables</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 203</b>					
1630	-	1700	Roger	Penrose	SPACE-TIME QUANTUM NON-LOCALITY AND TWISTOR NON-LOCALITY
1700	-	1720	Maciej	Dunajski	TWISTORS, TWISTOR-STRINGS AND GRAVITY
1720	-	1740	Lionel	Mason	NEUTRAL ANTI-SELF-DUAL CONFORMAL STRUCTURES
1740	-	1800	Jerzy	Lukierski	TWISTORIAL VERSUS SPACE-TIME FORMULATIONS OF PARTICLE AND STRING MODELS
1800	-	1830	Abhay	Ashtekar	FIRST ORDER FORMALISM AND CONSERVED QUANTITIES
<b>A4b</b>					
<b>GRG: Alternative Theories of Gravity</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 103</b>					
1630	-	1645	Ishwaree	Neupane	GAUSS-BONNET DARK ENERGY COSMOLOGIES
1645	-	1700	László Á.	Gergely	COSMOLOGICAL TESTS OF THE GENERALIZED RANDALL-SUNDRUM BRANE-WORLD MODEL WITH LATE-TIME DARK RADIATION
1700	-	1715	Martin	Kolos	TEST PARTICLE MOTION IN BRANY BLACK HOLE SPACETIMES WITH A NONZERO COSMOLOGICAL CONSTANT
1715	-	1730	Jan	Schee	OPTICAL EFFECTS IN KERR SPACETIMES WITH A TIDAL CHARGE
1730	-	1745	Andrea	Kotrlová	MEASUREMENT OF BRANY BLACK HOLE PARAMETERS IN THE FRAMEWORK OF THE ORBITAL RESONANCE MODEL OF QPOs
1745	-	1800	Jan	Hladik	TRAPPING OF NEUTRINOS IN BRANY EXTREMELY COMPACT STARS
1800	-	1815	Juan Efraín	Rojas-Marcial	BI TYPE THEORIES FOR EXTENDED OBJECTS
<b>B1-2/B5-6a</b>					
<b>GRG:Relativistic Astrophysics</b>					
<b>1630 - 1730</b>					
<b>Room: Auditorium</b>					
1630	-	1654	Frans	Pretorius	BLACK HOLE COLLISIONS
1654	-	1718	Denis	Pollney	SPIN INTERACTIONS IN BINARY BLACK HOLE SYSTEMS
1718	-	1730	DISCUSSION		
<b>B1-2/B5-6b</b>					
<b>GRG:Dark Energy and Cosmological Constant</b>					
<b>1730 - 1830</b>					
<b>Room: Auditorium</b>					
1730	-	1750	Krzysztof	Bolejko	INFLUENCE OF INHOMOGENEITIES ON LIGHT PROPAGATION BY EXACT SOLUTIONS
1750	-	1810	David	Wiltshire	GRAVITATIONAL ENERGY AS 'DARK ENERGY': TOWARDS A NEW CONCORDANCE COSMOLOGY WITHOUT LAMBDA
1810	-	1830	Roustan	Zalaletdinov	SPATIALLY HOMOGENEOUS, ISOTROPIC COSMOLOGIES IN MACROSCOPIC GRAVITY
<b>D1b</b>					
<b>GRG:Quantum Aspects of Black Holes</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 201</b>					
1630	-	1650	Jorge	Pullin	LOOP QUANTIZATION OF SPHERICALLY SYMMETRIC SPACETIMES
1650	-	1710	Lawrence	Ford	INDUCED BLACK HOLE HORIZON FLUCTUATIONS
1710	-	1730	Victor	Taveras	QUANTUM EXTENSION OF SPACE-TIME AND A RESOLUTION OF THE INFORMATION LOSS PARADOX
1730	-	1750	Jan	Aman	INFORMATION GEOMETRY OF BLACK HOLE THERMODYNAMICS
1750	-	1810	Mario	Nadalini	QUANTUM TUNNELLING APPLIED TO THE STUDY OF THE THERMODYNAMICAL PROPERTIES OF HAIRY BLACK HOLES
1810	-	1830	Steven	Carlip	BLACK HOLE ENTROPY FROM HORIZON CONSTRAINTS
<b>M1b</b>					
<b>AMALDI: Status of Current GW Detectors</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside Terrace</b>					
1630	-	1650	Luca	Taffarello	STATUS REPORT OF AURIGA DETECTOR
1650	-	1710	Oleksandr	Usenko	MINIGRAIL PROGRESS; TEST OF COMPLETE TRANSDUCER CHAINS DOWN TO mK TEMPERATURES
1710	-	1730	Eugenio	Coccia	STATUS OF THE BAR DETECTORS EXPLORER AND NAUTILUS
1730	-	1750	Odylio	D. Aguiar	THE SCHENBERG SPHERICAL GRAVITATIONAL WAVE DETECTOR:THE FIRST COMMISSION RUNS
1750	-	1810	George	Hobbs	GRAVITATIONAL WAVE DETECTION USING HIGH PRECISION PULSAR OBSERVATIONS

1810	-	1830	Adrian Mike	Cruise	OPERATIONAL PERFORMANCE OF THE BIRMINGHAM 100 MHZ DETECTOR AND UPPER LIMITS ON THE STOCHASTIC BACKGROUND
<b>TUESDAY 10 JULY</b>					
<b>A4c</b>					
<b>GRG: Alternative Theories of Gravity</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 103</b>					
1400	-	1415	Ryuichi	Takahashi	WEAK LENSING OF GALAXY CLUSTERS IN MOND
1415	-	1430	Luc	Blanchet	DIPOLAR GRAVITATIONAL POLARIZATION AND THE ISSUE OF DARK MATTER
1430	-	1445	Mairi	Sakellariadou	RELATIVISTIC MODIFIED NEWTONIAN DYNAMICS FROM STRING THEORY?
1445	-	1500	Gilles	Esposito-Farese	FIELD-THEORETICAL FORMULATIONS OF MOND-LIKE GRAVITY
1500	-	1515	Michael	Seifert	STABILITY OF SPHERICALLY SYMMETRIC SOLUTIONS IN ALTERNATIVE THEORIES OF GRAVITY
1515	-	1530	Jorge	Cervantes	A SPHERICAL SCALAR-TENSOR GALAXY MODEL
1530	-	1545	Marcelo	Salgado	THE CAUCHY PROBLEM OF SCALAR TENSOR THEORIES OF GRAVITY
1545	-	1600	Jannie	Leach	ORTHOGONAL SPATIALLY HOMOGENEOUS BIANCHI COSMOLOGIES WITH $R^{\Lambda N}$ - GRAVITY
<b>B1a</b>					
<b>GRG:Relativistic Astrophysics</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 201</b>					
1400	-	1417	Michael	Bradley	THE QUADRUPOLE MOMENT OF SLOWLY ROTATING FLUID BALLS
1417	-	1434	Daniel	Eriksson	SLOWLY ROTATING FLUID BALLS OF PETROV TYPE D - ADDITIONAL RESULTS
1434	-	1451	Lars	Samuelsson	A CHARACTERISTIC APPROACH TO THE QUASI-NORMAL MODE PROBLEM.
1451	-	1508	Hajime	sotani	TORSIONAL OSCILLATIONS OF RELATIVISTIC STARS WITH DIPOLE MAGNETIC FIELDS
1508	-	1525	Ruxandra	Bondarescu	SPIN EVOLUTION OF NEUTRON STARS: NONLINEAR DEVELOPMENT OF THE R-MODE INSTABILITY
1525	-	1542	Trevor	Sidery	SUPERFLUID TURBULENCE IN NEUTRON STAR INTERIORS
1542	-	1600	Lila	Warszawski	COLLECTIVE VORTEX-LINE MOTION IN PULSAR GLITCHES
<b>B4a</b>					
<b>GRG:Early Universe, Pre-Big Bang Etc.</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 202</b>					
1400	-	1430	Alex	Vilenkin	A MEASURE OF THE MULTIVERSE
1430	-	1500	Abhay	Ashtekar	QUANTUM NATURE OF THE BIG BANG
1500	-	1530	Hideo	Kodama	DYNAMICAL COMPACTIFICATION BY FLUX IN M-THEORY
1530	-	1600	Nelson	Pinto-Neto	CONFRONTING BOUNCING MODELS WITH INFLATION
<b>C1a</b>					
<b>GRG: Other Experimental and Observational Tests of Gravitational Theories</b>					
<b>1400 - 1600</b>					
<b>Room: Auditorium</b>					
1400	-	1420	Michael	Tobar	INVARIANCE IN ELECTRODYNAMICS
1420	-	1440	Neil	Ashby	TESTING LOCAL POSITION INVARIANCE WITH FOUR CESIUM-FOUNTAIN PRIMARY FREQUENCY STANDARDS AND FOUR NIST HYDROGEN MASERS
1440	-	1500	Clive	Speake	NEW CONSTRAINTS ON SHORT-RANGE FORCES COUPLING MASS TO INTRINSIC SPIN
1500	-	1520	Ho Jung	Paik	SEARCH FOR HIDDEN DIMENSIONS AND PARTICLES USING SUPERCONDUCTING ACCELEROMETERS
1520	-	1540	Linda	Mondin	ICE: ATOMIC INTERFEROMETRY FOR GENERAL RELATIVITY
1540	-	1600	Hansjoerg	Dittus	NEW APPROACHES TO INVESTIGATE THE PIONEER ANOMALY
<b>D3a</b>					
<b>GRG:Other Quantum Aspects</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 203</b>					
1400	-	1420	Stefan	Zohren	TOPOLOGY CHANGE IN CAUSAL QUANTUM GRAVITY
1420	-	1440	Daniel	Terno	QUANTUM CAUSAL HISTORIES IN THE LIGHT OF QUANTUM INFORMATION
1440	-	1500	David	Craig	COSMOLOGY
1500	-	1520	Hernando	Quevedo	TOPOLOGICAL QUANTIZATION IN GRAVITY
1520	-	1540	J.E	Nelson	CONSTANT CONNECTIONS, QUANTUM HOLONOMIES AND THE GOLDMAN BRACKET
1540	-	1600	William	Unruh	RADIATION REACTION OF ACCELERATED PARTICLE DETECTORS
<b>M4a</b>					
<b>AMALDI GW Sources</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside Terrace</b>					
1400	-	1418	Deirdre	Shoemaker	MATCHED FILTERING AND CONVERGENCE OF NUMERICAL RELATIVITY TEMPLATES
1418	-	1436	László Á.	Gergely	SUPERMASSIVE BLACK HOLE BINARY MERGERS
1436	-	1454	Ulrich	Sperhake	MULTIPOLAR ANALYSIS OF BLACK-HOLE BINARY INSPIRAL, MERGER AND RINGDOWN
1454	-	1512	Alessandro D.A.M.	Spallicci Di Filottrano	RADIATION REACTION OF CAPTURE SOURCES FOR LISA
1512	-	1530	Gabriel	Perez-Giz	KERR DYNAMICS AND THEIR IMPRINT ON GRAVITATIONAL WAVES
1530	-	1548	Lee	Finn	MEASURING THE PROPAGATION SPEED OF GRAVITATIONAL WAVES
1548	-	1606	Ryuichi	Takahashi	AMPLITUDE AND PHASE FLUCTUATIONS FOR GRAVITATIONAL WAVES PROPAGATING THROUGH INHOMOGENEOUS MASS DISTRIBUTION IN THE UNIVERSE
<b>A3a</b>					
<b>GRG: Mathematical Studies of the Field Equations</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 103</b>					

1630	-	1650	Claes	Uggla	STOCHASTIC ASPECTS OF GENERIC SINGULARITIES
1650	-	1710	Woei Chet	Lim	KINEMATIC AND WEYL SINGULARITIES
1710	-	1730	Brien	Nolan	BOUNDS FOR SCALAR WAVES AND LINEAR PERTURBATIONS IN SELF-SIMILAR NAKED SINGULARITY SPACETIMES
1730	-	1750	Lydia	Bieri	AN EXTENSION OF THE STABILITY THEOREM OF THE MINKOWSKI SPACE IN GENERAL RELATIVITY
1750	-	1810	Sascha	Husa	WHY DO 'MOVING PUNCTURES' WORK?
1810	-	1830	Oscar Alejandro	Reula	STRONG WELL POSEDNESS OF THE INITIAL-BOUNDARY-VALUE PROBLEM FOR SYSTEMS OF WAVE EQUATIONS FOR NON-INCOMING RADIATION CONDITIONS INCLUDING THOSE OF GENERAL RELATIVITY IN HARMONIC GAUGE
<b>B3a</b>					
<b>GRG:Analytic Approximations And Perturbation Methods</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 201</b>					
1630	-	1647	Steven	Detweiler	SELF-FORCE ANALYSIS IN EXTREME MASS RATIO INSPIRAL
1647	-	1704	Marc	Favata	THE ADIABATIC APPROXIMATION AND THREE-BODY EFFECTS IN EXTREME MASS RATIO INSPIRALS
1704	-	1722	John	Friedman	EXTREME-MASS-RATIO BINARY INSPIRAL IN A RADIATION GAUGE
1722	-	1739	Wataru	Hikida	ADIABATIC EVOLUTION OF THREE 'CONSTANTS' OF MOTION IN KERR SPACETIME
1739	-	1756	Norichika	Sago	GRAVITATIONAL SELF FORCE ON A PARTICLE ORBITING A SCHWARZSCHILD BLACK HOLE
1756	-	1813	Angelo	Tartaglia	MOBILE QUADRUPOLE AS A SEMIANALYTIC METHOD FOR GRAVITATIONAL WAVES EMISSION
1813	-	1830	Bernard F	Whiting	THE NON-RADIATED MULTIPOLES IN THE PERTURBED KERR SPACETIME
<b>B4b</b>					
<b>GRG:Early Universe, Pre-Big Bang Etc.</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 202</b>					
1630	-	1645	Shuichiro	Yokoyama	PRIMORDIAL NON-GAUSSIANITY IN MULTI-SCALAR SLOW-ROLL INFLATION
1645	-	1700	Victor	Villalba	COMPUTATION OF COSMOLOGICAL PERTURBATIONS IN THE CHAOTIC INFLATIONARY MODEL USING THE PHASE-INTEGRAL METHOD
1700	-	1715	Bojan	Losic	COSMOLOGICAL PERTURBATION THEORY NEAR DE SITTER SPACETIME
1715	-	1730	Raul	Vera	LORENTZIAN AND SIGNATURE CHANGING BRANES
1730	-	1745	Dan	Giang	VELOCITY DOMINATED SINGULARITIES IN THE CHEESE SLICE UNIVERSE
1745	-	1800	Malcolm	Anderson	CONTINUOUS SELF-SIMILAR EVAPORATION OF A ROTATING COSMIC STRING LOOP
<b>C1b</b>					
<b>GRG: Other Experimental and Observational Tests of Gravitational Theories</b>					
<b>1630 - 1830</b>					
<b>Room: Auditorium</b>					
1630	-	1645	Eran	Rosenthal	TORSION THEORIES OF GRAVITY AND GRAVITY PROBE B
1645	-	1700	Martin	Tajmar	SEARCH FOR FRAME-DRAGGING IN THE VICINITY OF SPINNING SUPERCONDUCTORS
1700	-	1720	Hansjoerg	Dittus	ASTRODYNAMIC SPACE TEST OF RELATIVITY USING OPTICAL DEVICES (ASTROD) AS AN ESA COSMIC VISION MISSION CONCEPT
1720	-	1740	Jeandrew	Brink	ORBITS IN AXIS-SYMMETRIC STATIONARY SPACETIMES
1740	-	1800	Kjell	Rosquist	GRAVITATIONALLY INDUCED ELECTROMAGNETIC EFFECTS
1800	-	1815	Hansjoerg	Dittus	MICROSCOPE - A SPACE MISSION FOR TESTING THE EQUIVALENCE PRINCIPLE - ANALYSIS OF THE SATELLITE AND ACCELEROMETER DYNAMICS
1815	-	1830	Wei-Tou	Ni	COSMIC POLARIZATION ROTATION, CMB OBSERVATION, NEUTRINO NUMBER ASYMMETRY, LORENTZ INVARIANCE AND CPT
<b>D3b</b>					
<b>GRG:Other Quantum Aspects</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 203</b>					
1630	-	1647	Deborah A.	Konkowski	HEALING CLASSICAL SINGULARITIES WITH QUANTUM MECHANICS
1647	-	1704	Daniel	Sudarsky	AN ALTERNATIVE PATH TOWARDS QUANTUM GRAVITY PHENOMENOLOGY
1704	-	1722	Dmitri	Vassiliev	TELEPARALLEL REFORMULATION OF THE WEYL EQUATION
1722	-	1739	Suneeta	Vardarajan	SOME RESULTS ON FIXED POINTS OF RENORMALIZATION GROUP (RG) FLOWS IN STRING THEORY.
1739	-	1756	Parvin	Moyassari	ON THE GRAVITATIONAL COUPLING OF HADAMARD STATES
1756	-	1813	Arkady	Popov	VACUUM POLARIZATION OF QUANTIZED SCALAR FIELD IN STATIC SPHERICALLY SYMMETRIC SPACETIMES
1813	-	1830	Ertan	Göklü	METRICAL FLUCTUATIONS AND INERTIAL PROPERTIES OF PARTICLES
<b>M4b</b>					
<b>AMALDI GW Sources</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside Terrace</b>					
1630	-	1658	Juan	Garcia-Bellido	A GRAVITATIONAL WAVE BACKGROUND FROM REHEATING AFTER INFLATION: A NEW WINDOW INTO THE EARLY UNIVERSE
1658	-	1716	Jose Carlos	De Araujo	GRAVITATIONAL WAVE BACKGROUND FROM NEUTRON STAR PHASE TRANSITION
1716	-	1734	Andrew	Melatos	GRAVITATIONAL WAVES FROM ACCRETING NEUTRON STARS
1734	-	1752	Brynmor Dylan Luigi	Haskell	MOUNTAINS ON NEUTRON STARS
1752	-	1810	Matthias	Vigelius	GRAVITATIONAL RADIATION FROM THREE-DIMENSIONAL MAGNETIC MOUNTAINS ON ACCRETING NEUTRON STARS
1810	-	1828	Avetis Abel	Sadoyan	GRAVITATIONAL WAVES FROM GLITCHES OF NEUTRON STARS
<b>THURSDAY 12 JULY</b>					

<b>A1c</b>					
<b>GRG: Exact Solutions and their Interpretation</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 103</b>					
1400	-	1415	Jerry	Griffiths	ACCELERATING AND ROTATING BLACK HOLES
1415	-	1430	Hideo	Iguchi	STATIONARY BLACK HOLES ON KALUZA-KLEIN BUBBLE
1430	-	1445	Edward	Teo	BLACK HOLES AT THE NUT
1445	-	1500	Pavel	Krtous	INTEGRABILITY AND SEPARABILITY OF GEODESIC MOTION ON THE BACKGROUND OF HIGH DIMENSIONAL BLACK HOLES
1500	-	1515	Takashi	Mishima	BLACK DIRING AND ITS PROPERTIES
1515	-	1530	Amitabh	Virmani	DYNAMICS AND STABILITY OF BLACK RINGS
1530	-	1545	Ragab	Gad	CIRCULAR PHOTON ORBITS AND TIDAL FORCES IN CHARGED BLACK HOLES
1545	-	1600	Alikram N.	Aliev	ROTATING CHARGED ADS BLACK HOLES IN HIGHER DIMENSIONS
<b>B1b</b>					
<b>GRG:Relativistic Astrophysics</b>					
<b>1400 - 1600</b>					
<b>Room: Auditorium</b>					
1400	-	1415	Pavel	Bakala	ON A MULTI-RESONANT ORIGIN OF HIGH FREQUENCY QPOs IN THE NEUTRON-STAR X-RAY BINARIES
1415	-	1430	Andrea	Kotrlóv	STRONG RESONANT PHENOMENA IN BLACK HOLE SYSTEMS
1430	-	1445	Petr	Slany	EXTENDED ORBITAL RESONANCE MODEL FOR HIGH-FREQUENCY QUASIPERIODIC OSCILLATIONS IN ACCRETION-DISC SYSTEMS WITH NEAR-EXTREME KERR BLACK HOLE CANDIDATES GRS1915+105 AND NGC5408 X-1
1445	-	1500	Eva	Sramkova	OSCILLATIONS OF TORI IN THE PSEUDO-NEWTONIAN POTENTIAL
1500	-	1515	Zdenek	Stuchlik	MULTI-RESONANT MODELS OF QUASI-PERIODIC OSCILLATIONS
1515	-	1530	Stanislav	Hledik	EXCITATION OF OSCILLATIONS BY ACCRETION COLUMNS ON THE SURFACE OF NEUTRON
1530	-	1545	Jocelyn	Read	PARAMETERIZED EQUATIONS OF STATE FOR NEUTRON STARS
1545	-	1600	Martin	Urbanec	NEUTRON STAR EQUATIONS OF STATE LIMITED BY QPO OBSERVATIONS
<b>B5-6a</b>					
<b>GRG:Dark Energy and Cosmological Constant</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 201</b>					
1400	-	1415	Winfried	Zimdahl	DARK ENERGY: A UNIFYING VIEW
1415	-	1430	Diego	Pavon	HOLOGRAPHIC DARK ENERGY AT THE HUBBLE SCALE
1430	-	1445	Alessandro	Tronconi	COSMOLOGY AND BROKEN SCALE INVARIANCE: A NUMERICAL ANALYSIS
1445	-	1500	Jorge	Cervantes	INDUCED GRAVITY QUINTESSENCE
1500	-	1515	Bojan	Losic	CONSISTENCY ISSUES IN COSMOLOGICAL 'DEGRAVITATION' MODELS
1515	-	1530	Monica	Capone	COSMIC DEFECT THEORY TO EXPLAIN THE ACCELERATED EXPANSION OF THE UNIVERSE
1530	-	1545	Ninfa	Radicella	VECTOR FIELD THEORIES IN COSMOLOGY
1545	-	1600	Vincenzo	Branchina	EFFECTIVE FIELD $\mathcal{T}_{(\mu\nu)}$ AND THE COSMOLOGICAL CONSTANT PROBLEM
<b>D2a</b>					
<b>GRG:Quantum Aspects Of Cosmology</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 202</b>					
1400	-	1420	Lawrence	Ford	STRESS TENSOR FLUCTUATION EFFECTS IN INFLATION
1420	-	1440	Richard	Woodard	INFRARED LOGARITHMS FROM INFLATIONARY QUANTUM FIELD THEORY
1440	-	1500	Daniel	Sudarsky	ON THE QUANTUM ORIGIN OF THE SEEDS OF COSMIC STRUCTURE
1500	-	1520	Silke	Weinfurtnner	INFLATION IN RAINBOW SPACETIMES
1520	-	1540	Giampiero	Esposito	SPHERICALLY SYMMETRIC GRAVITY WITH VARIABLE G AND LAMBDA
1540	-	1600	Daniel	Muller	HOMOGENEOUS SPACES IN QUADRATIC GRAVITY
<b>A2/E1 a</b>					
<b>GRG: Complex Methods, Twistors and Connection Variables</b>					
<b>1400 - 1500</b>					
<b>Room: Bayside 203</b>					
1400	-	1420	Ingemar	Bengtsson	NON-METRIC GRAVITY
1420	-	1440	Ian	Benn	DIFFERENTIAL FORMS RELATING TWISTORS TO DIRAC FIELDS
1440	-	1500	Laszlo B	Szabados	ON THE SPECTRAL CHARACTERIZATION OF SPACELIKE 2-SURFACES
<b>A2/E1b</b>					
<b>GRG:Analogue Gravity</b>					
<b>1500 - 1600</b>					
<b>Room: Bayside 203</b>					
1500	-	1520	Gil	Jannes	RELATIVITY FOR NEWTONIAN MINDS
1520	-	1540	Carlos	Herdeiro	A GRAVITO-ELECTROMAGNETIC ANALOGY BASED ON TIDAL TENSORS
1540	-	1600	Carlos	Barcelo	HAWKING-LIKE RADIATION DOES NOT REQUIRE A TRAPPED REGION
<b>M7a</b>					
<b>AMALDI:LISA</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside Terrace</b>					
1400	-	1425	Scott	Hughes	ASTROPHYSICS AND RELATIVITY USING LISA
1425	-	1450	Dan	Holz	STANDARD SIRENS AND COSMOLOGY
1450	-	1515	Michele	Vallisneri	REPORT ON THE SECOND ROUND OF MOCK LISA DATA CHALLENGES

1515	-	1540	Gerhard	Heinzel	THE EUROPEAN SPACE AGENCY'S LISA MISSION INDUSTRIAL STUDY: STATUS AND PRESENT RESULTS
1540	-	1600	Robin	Stebbins	RECENT PROGRESS AT NASA IN LISA FORMULATION AND TECHNOLOGY DEVELOPMENT
<b>A1d</b>					
<b>GRG: Exact Solutions and their Interpretation</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 103</b>					
1630	-	1645	Volker	Perlick	MULTIPLE IMAGING IN PLANE GRAVITATIONAL WAVE SPACETIMES
1645	-	1700	Ettore	Minguzzi	ON HOW EISENHART'S AND GENERALIZED PP-WAVE SPACETIMES MIRROR LAGRANGIAN MECHANICS
1700	-	1715	Maciej	Dunajski	EINSTEIN-MAXWELL GRAVITATIONAL INSTANTONS
1715	-	1730	Abdolhosein	Khodam Mohammadi	STUDY OF PROPERTIES OF TAUB-NUT/BOLT SPACETIMES IN EINSTEIN-MAXWELL GRAVITY
1730	-	1745	Claus	Laemmerzahl	MOTION AROUND GRAVITATING MONOPOLES
1745	-	1800	Deborah A.	Konkowski	SINGULARITY ANALYSIS OF GENERALIZED CYLINDRICALLY SYMMETRIC SPACETIMES
1800	-	1815	Jiri	Kovar	RELATIVISTIC DYNAMICS NEAR BLACK HOLES AND REPULSIVE COSMOLOGICAL CONSTANT HORIZONS IN NEWTONIAN GRAVITY AND EINSTEIN'S GENERAL RELATIVITY WHEN A REPULSIVE COSMOLOGICAL CONSTANT IS INCLUDED
1815	-	1830	Henning	Knutsen	
<b>B1c</b>					
<b>GRG:Relativistic Astrophysics</b>					
<b>1630 - 1830</b>					
<b>Room: Auditorium</b>					
1630	-	1645	Malcolm Angus Hugh	MacCallum	KERR GEODESICS, THE PENROSE PROCESS AND JET COLLIMATION BY A BLACK HOLE
1645	-	1700	Zdenka	Kuncic	RELATIVISTIC JET-DISK ACCRETION ONTO BLACK HOLES
1700	-	1715	Andreas	Mueller	IRON K LINES IN THE COSMIC X-RAY BACKGROUND
1715	-	1730	Geoffrey	Bicknell	BLACK HOLE ACCRETION DISKS AND RELATIVISTIC JETS IN BLAZARS
1730	-	1745	Muhammad	Sharif	WAVE PROPERTIES IN SCHWARZSCHILD GEOMETRY WITH ISOTHERMAL PLASMA
1745	-	1800	David	Hobill	GRAVITATIONAL LENSING AND THE DOUBLE PULSAR: PSR J0737-3039
1800	-	1815	Benjamin	Owen	GRAVITATIONAL WAVES FROM LOW-MASS X-RAY BINARIES REVISITED
1815	-	1830	Luis	Lehner	COMPACT OBJECTS SIMULATIONS IN THREE-DIMENSIONS. BLACK HOLE, NEUTRON AND BOSON STARS SYSTEMS
<b>B2a</b>					
<b>GRG: Numerical Relativity, Other Computational Methods</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 203</b>					
1630	-	1645	Deirdre	Shoemaker	EFFECTS OF SPURIOUS RADIATION ON BINARY BLACK HOLE EVOLUTIONS
1645	-	1700	Ian	Hinder	NUMERICAL RELATIVITY AND POST-NEWTONIAN BINARY BLACK HOLES
1700	-	1715	Sascha	Husa	STATUS REPORT ON BINARY BLACK HOLE EVOLUTIONS WITH THE BAM CODE
1715	-	1730	Jose A.	Gonzalez	TOTAL RECOIL: THE MAXIMUM KICK FROM NONSPINNING BLACK-HOLE BINARY INSPIRAL
1730	-	1745	Wolfgang	Tichy	KICKS DUE TO MERGERS OF SPINNING BLACK HOLES
1745	-	1800	Roberto	De Pietri	DYNAMICAL INSTABILITIES OF ROTATING RELATIVISTIC STARS
1800	-	1815	Steven	Liebling	MODELING STRONG FIELD GRAVITY: VACUUM COLLAPSE AND BOSON STARS
1815	-	1830	Jocelyn	Read	MODELS OF HELICALLY SYMMETRIC BINARY SYSTEMS
<b>B5-6b</b>					
<b>GRG:Dark Energy and Cosmological Constant</b>					
<b>1630 - 1730</b>					
<b>Room: Bayside 201</b>					
1630	-	1645	Aroonkumar	Beesham	VISCOUS COSMOLOGIES WITH VARIABLE COSMOLOGICAL PARAMETER IN HIGHER DERIVATIVE THEORY
1645	-	1700	Hsin	Chen	DYNAMICAL TORSION IN COSMOLOGY
1700	-	1715	M.I.	Wanas	DARK ENERGY: IS IT OF TORSION ORIGIN?
1715	-	1730	Homer G	Ellis	UNIFIED MODEL OF ACCELERATION, INFLATION, DARK MATTER, AND DARK 'ENERGY'
<b>B5-6c</b>					
<b>GRG:Dark Energy and Cosmological Constant</b>					
<b>1730 - 1830</b>					
<b>Room: Bayside 201</b>					
1730	-	1745	Bernard	Carr	CAN A BLACK HOLE GROW AS FAST AS THE UNIVERSE IN A MODEL WITH DARK ENERGY?
1745	-	1800	Tomohiro	Harada	ASYMPTOTICALLY FRIEDMANN SELF-SIMILAR SOLUTIONS WITH DARK ENERGY
1800	-	1815	José Antonio	Jiménez Madrid	ACCRETION OF DARK ENERGY ONTO A KERR-NEWMAN BLACK HOLE
1815	-	1830	Zdenek	Stuchlik	INFLUENCE OF THE REPULSIVE COSMOLOGICAL CONSTANT ON ACCRETION DISCS AROUND BLACK HOLES
<b>D2b</b>					
<b>GRG:Quantum Aspects Of Cosmology</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 202</b>					
1630	-	1650	Nelson	Pinto-Neto	COSMOLOGICAL PERTURBATIONS IN QUANTUM COSMOLOGICAL BACKGROUNDS
1650	-	1710	Mairi	Sakellariadou	ON THE ONSET OF INFLATION IN LOOP QUANTUM COSMOLOGY
1710	-	1730	Reza	Tavakol	EMERGENT OSCILLATING UNIVERSES, INFLATION AND LOOP QUANTUM COSMOLOGY
1730	-	1750	Warner	Miller	REGGE CALCULUS AND THE QUANTUM COMPUTATIONAL UNIVERSE: QUANTUM GRAVITY WITHOUT QUANTUM GRAVITY

1750	-	1810	J. Fernando	Barbero Gonzalez	QUANTUM ASPECTS OF $S^2 \times \mathbb{S}^1$ AND $S^3$ GOWDY MODELS COUPLED TO MATTER
1810	-	1830	Guillermo A.	Mena Marugan	UNIQUENESS OF THE FOCK QUANTIZATION OF THE GOWDY T3 COSMOLOGIES
<b>M7b</b>					
<b>AMALDI:LISA</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside Terrace</b>					
1630	-	1655	Stefano	Vitale	LISA PATHFINDER
1655	-	1710	Gerhard	Heinzel	STATUS OF THE LTP INTERFEROMETER
1710	-	1725	Guido	Mueller	UFLIS: THE UNIVERSITY OF FLORIDA LASER INTERFEROMETRY SIMULATOR
1725	-	1740	Michael	Tröbs	LASERS FOR LISA PATHFINDER AND LISA: CURRENT STATUS
1740	-	1755	Bernard	Schutz	ANGULAR RESOLUTION OF SUPER-MASSIVE BLACK HOLE BINARIES WITH LISA
1755	-	1810	Ludovico	Carbone	DIRECT FORCE-CHARACTERISATION OF THE LISA GRS
1810	-	1830	Alberto	Vecchio	BAYESIAN INFERENCE ON WHITE DWARF BINARY SYSTEMS IN LISA DATA SETS
<b>M3</b>					
<b>AMALDI: Future GW Detectors</b>					
<b>1900 - 2100</b>					
<b>Room: Bayside Terrace</b>					
1900	-	1915	Michele	Punturo	VIRGO UPGRADE PLANS
1915	-	1930	Carol	Wilkinson	STATUS AND PLANS FOR ADVANCED LIGO INSTRUMENTS
1930	-	1945	David	Blair	THE AIGO PROJECT
1945	-	2000	Kazauki	Kuroda	CURRENT STATUS OF LCGT PROJECT
2000	-	2015	Harald	Lueck	PLANS FOR E.T. (Einstein Telescope), A EUROPEAN 3rd GENERATION GRAVITATIONAL WAVE OBSERVATORY
2015	-	2030	Seiji	Kawamura	THE JAPANESE SPACE GRAVITATIONAL WAVE ANTENA - DECIGO
2030	-	2045	Brent	Ware	DIGITAL INTERFEROMETRY
2045	-	2100	William	Kells	INVESTIGATIONS INTO SCATTERED LIGHT LOSS OF HIGH QUALITY INTERFEROMETER MIRRORS
<b>FRIDAY 13 JULY</b>					
<b>A3b</b>					
<b>GRG: Mathematical Studies of the Field Equations</b>					
<b>1400 - 1600</b>					
<b>Room: Auditorium</b>					
1400	-	1420	Laszlo	Szabados	TOWARDS THE QUASI-LOCALIZATION OF CANONICAL GR
1420	-	1440	Andrew	Lundgren	QUASILocal ENERGY INSIDE THE EVENT HORIZON
1440	-	1500	William	Clavering	THE EINSTEIN SCALAR FIELD AT FINITE INFINITY
1500	-	1520	Pavel	Krtous	ELECTROMAGNETIC FIELD ON THE BACKGROUND OF HIGH DIMENSIONAL BLACK HOLES
1520	-	1540	Risto	Tammelo	ON WAVE TAILS IN CURVED SPACETIMES
1540	-	1600	Benjamin	Whale	PHYSICAL PROPERTIES OF SINGULARITIES ARISING FROM THE SINGULARITY THEOREMS
<b>B2b</b>					
<b>GRG: Numerical Relativity, Other Computational Methods</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 103</b>					
1400	-	1415	Jonathan	Thornburg	ADAPTIVE MESH REFINEMENT IN DOUBLE-NULL COORDINATES: APPLICATIONS TO SELF-FORCE CALCULATIONS
1415	-	1430	Burkhard	Zink	MULTI-PATCH TECHNIQUES IN GENERAL RELATIVISTIC ASTROPHYSICS
1430	-	1445	Jose Luis	Jaramillo	TESTING A NEW SPECTRAL APPARENT HORIZON FINDER: APPLICATION TO THE NUMERICAL STUDY OF PENROSE-LIKE GEOMETRICAL INEQUALITIES
1445	-	1500	Jerome	Novak	CONSTRAINED EVOLUTION OF GRAVITATIONAL-WAVE SPACETIMES
1500	-	1515	Gregory	Cook	APPROXIMATE KILLING VECTORS FOR COMPUTING SPIN IN BLACK HOLE INITIAL DATA AND EVOLUTIONS
1515	-	1530	Bernard	Kelly	POST-NEWTONIAN INITIAL DATA WITH WAVES FOR NUMERICAL RELATIVITY
1530	-	1545	Nigel	Bishop	CHARACTERISTIC EXTRACTION IN NUMERICAL RELATIVITY
1545	-	1600	Jennifer	Seiler	2ND ORDER IN SPACE CONSTRAINT PRESERVING BOUNDARIES
<b>B3b</b>					
<b>GRG: Analytic Approximations And Perturbation Methods</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 201</b>					
1400	-	1420	Luc	Blanchet	HIGHER-ORDER SPIN EFFECTS IN THE RADIATION FIELD OF COMPACT BINARIES
1420	-	1440	Balasubramanian R.	Iyer	THE 3PN GRAVITATIONAL WAVE LUMINOSITY FROM INSPIRALLING COMPACT BINARIES IN ECCENTRIC ORBITS
1440	-	1500	Claus	Laemmerzahl	ON THE INFLUENCE OF THE COSMIC EXPANSION ON THE PHYSICS IN GRAVITATIONALLY BOUND SYSTEMS
1500	-	1520	Mátyás	Vasúth	SPIN EVOLUTION IN BINARY SYSTEMS
1520	-	1540	Meirchan	Abdil'din	ON RELATIVISTIC EQUATIONS OF MOTION UNAMBIGUITY PROBLEM IN GR
1540	-	1600	Medeu	Abishev	ON DERIVING LAGRANGE FUNCTION IN THE PROBLEM OF TWO ROTARY BODIES WITH THE METHOD OF SYMMETRIZATION
<b>B5-6d</b>					
<b>GRG: Dark Energy and Cosmological Constant</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 202</b>					
1400	-	1415	Takeshi	Chiba	CONSISTENCY RELATION IN COSMOLOGY
1415	-	1430	Matt	Visser	COSMOGRAPHIC TESTS OF THE HUBBLE LAW
1430	-	1445	Celine	Cattoen	NEW VERSIONS OF THE HUBBLE LAW
1445	-	1500	Daniel	Holz	GRAVITATIONAL-WAVE STANDARD SIRENS

1500	-	1515	Andrew	Moylan	LENSING OF GRAVITATIONAL WAVES
1515	-	1530	Jan	Schee	REES-SCIAMA EFFECT IN THE FRAMEWORK OF EINSTEIN-STRAUSS-DE SITTER VACUOLA MODEL
1530	-	1545	Chongming	Xu	A MACROSCOPIC EFFECT ON MOVING BODY CAUSED BY CMB
1545	-	1600	Alberto	Saa	MAUPERTUIS-JACOBI PRINCIPLE IN COSMOLOGY
<b>D1-3</b>					
<b>GRG: Quantum Aspects of Cosmology</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside 203</b>					
1400	-	1420	Steven	Giddings	BLACK HOLES, INFORMATION, AND LOCALITY
1420	-	1440	Donald	Marolf	PERTURBATIVE QUANTUM GRAVITY ON DE SITTER SPACE: FORMALISM
1440	-	1500	Steven	Giddings	PERSPECTIVES ON GLOBAL DE SITTER SPACE
1500	-	1520	Aaron	Amsel	A TALE OF TWO SUPERPOTENTIALS: STABILITY AND INSTABILITY IN DESIGNER GRAVITY
1520	-	1540	Simon	Ross	CLOSED STRING TACHYONS IN ADS
1540	-	1600	Keith	Copsey	BUBBLES UNBOUND: BUBBLES OF NOTHING WITHOUT KALUZA-KLEIN
<b>M5a</b>					
<b>AMALDI: Data Analysis for Ground Based GW Detectors: Methods and Searches</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside Terrace</b>					
1400	-	1420	Igor	Yakushin	ALL-SKY SEARCH FOR GRAVITATIONAL WAVE BURSTS DURING THE FIFTH LSC SCIENCE RUN
1420	-	1440	Shourov	Chatterji	SEARCHING FOR GRAVITATIONAL WAVE BURSTS WITH THE NEW GLOBAL DETECTOR NETWORK
1440	-	1500	Francesco	Salemi	RESULTS OF THE SEARCH FOR GRAVITATIONAL WAVE BURSTS BY THE NETWORK OF RESONANT BAR DETECTORS.
1500	-	1520	Nicolas	Leroy	BURST SEARCHES IN VIRGO DATA
1520	-	1540	Szabolcs	Marka	ASTROPHYSICALLY TRIGGERED SEARCHES FOR GRAVITATIONAL WAVES
1540	-	1600	Robert	Ward	A RADIOMETER FOR A STOCHASTIC BACKGROUND OF GRAVITATIONAL WAVES
<b>A3c</b>					
<b>GRG: Mathematical Studies of the Field Equations</b>					
<b>1630 - 1830</b>					
<b>Room: Auditorium</b>					
1630	-	1650	Eric	Woolgar	RICCI FLOW, ASYMPTOTIC FLATNESS- AND MASS
1650	-	1710	Mohammad	Akbar	RICCI SOLITONS FROM EINSTEIN'S GRAVITY WITH SCALAR FIELDS
1710	-	1730	Todd	Oliynyk	POST-NEWTONIAN EXPANSIONS FOR PERFECT FLUIDS
1730	-	1750	Juan Antonio	Valiente Kroon	A FIRST STEP TOWARDS A PROOF OF A RIGIDITY CONJECTURE FOR ASYMPTOTICALLY SIMPLE SPACETIMES
1750	-	1810	Håkan	Andreasson	SHARP BOUNDS ON 2M/R OF GENERAL SPHERICALLY SYMMETRIC STATIC OBJECTS
1810	-	1830	Jim	Isenberg	ON BLACK HOLE RIGIDITY AND SPACETIMES WITH COMPACT CAUCHY HORIZON
<b>A4d</b>					
<b>GRG: Alternative Theories of Gravity</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 103</b>					
1630	-	1645	Robert	Bluhm	GRAVITATIONAL EFFECTS OF SPONTANEOUS LORENTZ VIOLATION
1645	-	1700	Roustant	Zalaletdinov	MACROSCOPIC GRAVITY
1700	-	1715	Archil	Kobakhidze	GRAVITY ON QUANTIZED SPACETIMES
1715	-	1730	Kohkichi	Konno	DOES A BLACK HOLE ROTATE IN CHERN-SIMONS MODIFIED GRAVITY?
1730	-	1745	Enrico	Barausse	A NO-GO THEOREM FOR POLYTROPIC SPHERES IN PALATINI f(R) GRAVITY
1745	-	1800	Reza	Tavakol	COSMOLOGICAL DYNAMICS OF f(R) THEORIES IN PALATINI FORMALISM AND THEIR OBSERVATIONAL CONSTRAINTS
1800	-	1815	Kotub	Uddin	COSMOLOGICAL PERTURBATIONS IN PALATINI MODIFIED GRAVITY
<b>B2c</b>					
<b>GRG: Numerical Relativity, Other Computational Methods</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 201</b>					
1630	-	1645	David	Brown	PUNCTURE EVOLUTION OF SCHWARZSCHILD BLACK HOLES
1645	-	1700	Lee	Lindblom	GENERALIZED HARMONIC GAUGE DRIVERS
1700	-	1715	Ulrich	Sperhake	NUMERICAL SIMULATIONS OF BLACK-HOLE BINARIES OF PUNCTURE, KERR-SCHILD AND MISNER DATA TYPE
1715	-	1730	David	Garfinkle	1+LOG SLICING IN GRAVITATIONAL COLLAPSE
1730	-	1745	David	Hilditch	ASYMPTOTICALLY NULL SLICES IN NUMERICAL RELATIVITY
1745	-	1800	Barak	Kol	THE CRITICAL AND OFF-CRITICAL MERGER SOLUTION
1800	-	1815	Andrew	Norton	MATCHING A ROTATING GRID TO A NON-ROTATING GRID -- VISUALIZATIONS OF $\text{Sp}_1(\text{SO}(3)) = Z_2$
1815	-	1830	Leo	Brewin	SMOOTH LATTICES AND NUMERICAL RELATIVITY
<b>B3c</b>					
<b>GRG: Analytic Approximations And Perturbation Methods</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 202</b>					
1630	-	1647	Barak	Kol	MATCHED ASYMPTOTIC EXPANSION AS A CLASSICAL EFFECTIVE FIELD THEORY
1647	-	1704	Dinesh	Singh	AN ANALYTIC PERTURBATION APPROACH FOR CLASSICAL SPINNING PARTICLE DYNAMICS
1704	-	1722	Hajime	Sotani	GRAVITATIONAL RADIATION FROM COLLAPSING MAGNETIZED DUST
1722	-	1739	Mátyás	Vasúth	GRAVITATIONAL WAVEFORMS FOR COMPACT BINARIES
1739	-	1756	Amos Soweto	Kubeka	ON THE RICCI TENSORS FOR NON-STATIONARY AXISYMMETRIC SPACE-TIMES
1756	-	1813	Meirchan	Abdil'din	ON GRAVITATIONAL REPULSION IN MECHANICS OF GENERAL RELATIVITY
1813	-	1830	Nurzada	Beissen	ON ANALOGY BETWEEN GR MECHANICS AND ELECTRODYNAMICS

<b>C1c</b>					
<b>GRG: Other Experimental and Observational Tests of Gravitational Theories</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside 203</b>					
1630	-	1650	Neil	Ashby	RELATIVISTIC EFFECTS IN EARTH-ORBITING DOPPLER LIDAR RETURN SIGNALS
1650	-	1710	Richard	Woodard	A GENERIC TEST OF MODIFIED GRAVITY MODELS WHICH EMULATE DARK MATTER
1710	-	1720	Adrian	Sfarti	TERRESTRIAL VERIFICATION OF GRAVITATIONAL SHIFT TO SECOND DEGREE ORDER
1720	-	1730	Adrian	Sfarti	HIGHER PRECISION EXPERIMENTAL VERIFICATION OF THE EQUIVALENCE PRINCIPLE
1730	-	1745	Ke-Xun	Sun	TECHNOLOGIES FOR AN ADVANCED MODULAR GRAVITATIONAL REFERENCE SENSOR
1745	-	1800	Hsien-Hao	MEI	THE DEVELOPMENT OF Q & A EXPERIMENT TO SEARCH FOR VACUUM DICHROISM, PSEUDOSCALAR-PHOTON INTERACTION AND MILLICHARGED FERMIONS
1800	-	1815	Sachie	Shiomi	APPLICATIONS OF SUPERCONDUCTING GRAVIMETERS TO TESTS OF GRAVITATIONAL PHYSICS
1815	-	1830	Alexander	Dmitriev	EXPERIMENTAL STUDY OF GRAVITY FORCE TEMPERATURE DEPENDENCE
<b>M5b</b>					
<b>AMALDI: Data Analysis for Ground Based GW Detectors: Methods and Searches</b>					
<b>1630 - 1830</b>					
<b>Room: Bayside Terrace</b>					
1630	-	1648	Craig	Robinson	SEARCH FOR COMPACT BINARY SYSTEMS IN LIGO DATA
1648	-	1707	Gareth	Jones	RESULTS FROM THE SEARCH FOR SPINNING BINARY SYSTEMS IN LIGO S3 DATA
1707	-	1724	Gianluca M	Guidi	FIRST LSC-VIRGO JOINT GW SEARCH FOR BINARY NEUTRON STARS
1724	-	1743	Lisa	Goggjin	SEARCH FOR BLACK HOLE RINGDOWN SIGNALS IN LIGO DATA
1743	-	1801	Alicia M	Sintes	ALL-SKY LIGO SEARCH FOR PERIODIC GRAVITATIONAL WAVES IN THE S4 DATA
1801	-	1820	Gregory	Mendell	RECENT RESULTS FROM THE LIGO SEARCH FOR PERIODIC GRAVITATIONAL WAVES
1820	-	1838	Karl	Wette	SEARCH FOR PERIODIC GRAVITATIONAL WAVES FROM CASSIOPEIA A
<b>SATURDAY 14 JULY</b>					
<b>M6</b>					
<b>AMALDI: Data Analysis for Ground Based GW Detectors: Methods and Issues</b>					
<b>0830 - 1030</b>					
<b>Room: Bayside Terrace</b>					
0830	-	0847	Yoichi	Aso	ENHANCING OUR ASTROPHYSICAL REACH: ON THE CAPABILITIES OF A HYPOTHETICAL LIGO, VIRGO AND ICECUBE NETWORK
0847	-	0904	Nickolas	Fotopoulos	A SEARCH FOR THE STOCHASTIC GRAVITATIONAL WAVE BACKGROUND WITH THE LIGO HANFORD-HANFORD PAIR
0904	-	0921	Sukanta	Bose	CURRENT APPLICATIONS AND FUTURE PROSPECTS OF A COHERENT MULTI-DETECTOR PIPELINE FOR SEARCHING COMPACT BINARY COALESCENCES
0921	-	0938	Sergey	Klimenko	RECONSTRUCTION OF BURST SIGNALS WITH NETWORKS OF GRAVITATIONAL WAVE DETECTORS
0938	-	0955	Rubens	Marinho	ASTROPHYSICS FROM DATA ANALYSIS OF SPHERICAL GRAVITATIONAL WAVES DETECTORS
0955	-	1012	Antony	Searle	ROBUST BAYESIAN DETECTION OF UNMODELED BURSTS OF GRAVITATIONAL WAVES
1012	-	1029	Michele	Vallisneri	USE AND ABUSE OF THE FISHER INFORMATION MATRIX IN THE ASSESSMENT OF GRAVITATIONAL-WAVE PARAMETER-ESTIMATION PROSPECTS
<b>M2b</b>					
<b>AMALDI: R&amp;D for Advanced Ground Based GW Detectors</b>					
<b>1100 - 1300</b>					
<b>Room: Bayside Terrace</b>					
1100	-	1115	Andrea	Vinante	DESIGN OF WIDEBAND ACOUSTIC GRAVITATIONAL WAVE DETECTORS EQUIPPED WITH DISPLACEMENT CONCENTRATORS
1115	-	1130	Masaki	Ando	DEVELOPMENT OF A LOW-FREQUENCY GRAVITATIONAL-WAVE DETECTOR USING SUPERCONDUCTOR MAGNETS
1130	-	1145	Livia	Conti	R&D FOR THE DUAL ACOUSTIC GRAVITATIONAL WAVE DETECTOR
1145	-	1200	Odylio	D. Aguiar	INVESTIGATION OF ULTRA-HIGH SENSITIVITY KLYSTRON CAVITY TRANSDUCERS FOR BROADBAND RESONANT-MASS GRAVITATIONAL WAVE DETECTORS
1200	-	1215	Massimo	Bassan	NEW PARAMETRIC TRANSDUCER FOR RESONANT DETECTORS: ADVANCES AND ROOM TEMPERATURE TEST
1215	-	1230	Fulvio	Ricci	LOW TEMPERATURE AND INTERFEROMETRIC GRAVITATIONAL WAVE EXPERIMENT
1230	-	1245	Takayuki	Tomaru	STUDY OF HEAT LOAD REDUCTION FOR THE LCGT CRYOSTAT
1245	-	1300	Shuichi	Sato	DEMONSTRATION OF DISPLACEMENT NOISE FREE INTERFEROMETRY (DFI) USING BI-DIRECTIONAL MACH-ZEHNDER INTERFEROMETER
<b>M2a</b>					
<b>AMALDI: R&amp;D for Advanced Ground Based GW Detectors</b>					
<b>1400 - 1600</b>					
<b>Room: Bayside Terrace</b>					
1400	-	1415	Yoichi	Aso	LOW FREQUENCY VIBRATION ISOLATION BY SUSPENSION POINT INTERFEROMETER FOR EXTENDING THE SCIENTIFIC REACH OF THE FUTURE GRAVITATIONAL WAVE DETECTORS
1415	-	1430	Stuart	Reid	STUDIES OF CONDUCTIVE COATINGS FOR THE TEST MASSES AND FIBRES FOR POSSIBLE USE IN GROUND BASED GRAVITATIONAL WAVE DETECTORS
1430	-	1445	Iain	Martin	MEASUREMENTS OF THE TEMPERATURE DEPENDENCE OF THE MECHANICAL LOSS OF SINGLE LAYERS OF ION BEAM SPUTTERED DOPED TANTALA AND SILICA COATINGS ON THIN SILICON SUBSTRATES
1445	-	1500	Ronny	Nawrodt	HIGH MECHANICAL Q-FACTOR MEASUREMENTS ON SILICON BULK SAMPLES
1500	-	1515	Benno	Wilke	STABILIZED HIGH POWER LASER FOR ADVANCED GRAVITATIONAL WAVE DETECTORS
1515	-	1530	Catherine	Man-Brillet	FIBRE LASER AND INJECTION SYSTEMS FOR ADVANCED GW INTERFEROMETRIC DETECTORS

