Mathematical Physics and General Relativity Symposium
in Honor of Professor Ivor Robinson

Schedule

Sunday, May 7, 2017
Room: **SLC 1.102**

10:00-11:00AM **In reminiscence of Professor Ivor Robinson**
Speakers:
Vladimir Dragovic, Professor and Head, Department of Mathematical Sciences, UTD
Hobson Wildenthal, Executive Vice President, UTD
Ali Hooshyar, Professor, Department of Mathematical Sciences, UTD
Mustapha Ishak-Boushaki, Professor, Department of Physics, UTD
Cecile Morette-Dewitt, Emeritus Professor, The University of Texas at Austin
Don Salisbury, Emeritus Professor, Austin College
Joshua Goldberg, Emeritus Professor, Syracuse University
Wolfgang Rindler, Emeritus Professor, UTD

11:00-11:30AM		Coffee break
11:30-12:30PM	Peter A. Hogan	*Null Hyperplanes in Space-Times of Constant Curvature*
12:30-2:00AM		Lunch break
2:00-3:00PM	Jim Isenberg	*Strong Cosmic Censorship*
3:00-4:00PM	Robert Wald	*Dynamic and Thermodynamic Stability of Black Holes*
4:00-4:30PM		Coffee break
4:30-4:45PM	Jens Boos	*The Bel-Robinson tensor as an irreducble piece of the Bel tensor*
4:45-5:00PM	Mike Kesden	*Learning about Black-Hole Formation by Observing Gravitational Waves*
5:00-5:15PM	Maxim Arnold	*On the discretizations of Evolutes and Involutes*

- **Conference Mixer**, Sunday, May 7th, 5:30pm-7:30pm, Founders Atrium, second floor

Schedule

Monday, May 8, 2017
Room: **SLC 1.102**

10:00-11:00AM	Mielnik Bogdan	*The Unreasonable Efficiency of Mathematics (E. Wigner): real or imaginary danger?*
11:00-11:30AM		Coffee break
11:30-12:30PM	Eric Poisson	*Tidal deformation of black holes and neutron stars*
12:30-2:00AM		Lunch break
2:00-3:00PM	Don N. Page	*Anthropic Estimates for Many Parameters of Physics and Astronomy*
3:00-3:30PM	Gerald Cleaver	*Testing theories of quantum gravity in the early universe?*
3:30-4:00PM	Muhammad Sharif	*Dynamics of Particles around Black Holes*
4:00-4:30PM		Coffee break
4:30-4:45PM	Don Salisbury	*Ivor Robinson and the Trautmans: Gravitational Wave Pioneers*
4:45-5:00PM	Rishi Tiwari	*Bulk Viscous cosmological model with variable Deceleration parameter*
5:00-5:15PM	Archana Yadav	TBD

- **Conference Banquet**, Monday, May 8, 6:00pm – Frankie's Mexican Cuisine, 2701 Custer Pkwy, Richardson, TX 75080

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Schedule

Tuesday, May 9, 2017
Room: **SLC 1.102**

10:00-11:00AM	Pawel Nurowski	*Robinson manifolds as the Lorentzian analogs of Hermitian manifolds*
11:00-11:30AM		Coffee break
11:30-12:30PM	Peter Ozsvath	*Problems and Techniques in low-dimensional topology*
12:30-2:00AM		Lunch break
2:00-3:00PM	Lane Hughston	*Higher-Dimensional Minkowskian Geometries*
3:00-3:30PM	Sam Gralla	*From Robinson's Theorem to Radio Pulsars*
3:30-3:45PM	Peter Zimmerman	*Amplified Perturbations of Rapidly Rotating Black Holes*
3:45-4:00PM	Tomoki Ohsawa	*Hamiltonian Dynamics of Semiclassical Wave Packets*
4:00-4:30PM		Coffee break
4:30-4:45PM	Lindsay King	*Testing gravity and the assembly of mass on galaxy cluster scales*
4:45-4:55PM	Weikang Lin	*Testing gravity theories using tensor perturbations*
4:55-5:05PM	Juan Servin	*A relativistic treatment of tidal disruption by non-rotating black holes*
5:05-5:15PM	Ben Cashen	*Gravitomagnetic Dynamical Friction*
5:15-5:25PM	Anani Adabrah	*Relativistic quadrics*
5:25-5:35PM	Joe Coleman	*Gravitational Lensing and Hydrodynamic Simulation of Abell 2146*
5:35-5:45PM	Nathan Steinle	*Redshift estimation and classification of astrophysical objects using machine learning*
5:45-5:55PM	Mathew Fong	*Measuring the tidal gravitational field at the outskirts of galaxy clusters*