

Sat, June 17

9:00 AM Relativity, Gravitation and Cosmology Session | Location: Mount Allison University, Dunn 113, 67 York St., Sackville, New Brunswick | Convener: Hubert de Guise 09:00 - 09:30 Indeterminacy in Classical Cosmology with Dark Matter Speaker Viqar Husain 09:30 - 10:00 Exotic Marginally Outer Trapped Surfaces are Unstable Speaker Ivan Booth 10:00 - 10:30 Negative Mass in the Universe is Relative, Repulsive and Real Speaker Prof. Manu Paranjape 10:30 AM 11:00 AM Relativity, Gravitation and Cosmology Session | Location: Mount Allison University, Dunn 113, 67 York St., Sackville, New Brunswick | Convener: Hubert de Guise 11:00 - 11:30 Tentative evidence for cosmological coupling of black holes and implications for dark energy Speaker Valerio Faraoni 11:30 - 12:00 BPS Gravitational Solitons in Anti-de Sitter Spacetimes Speaker Turkuler Durgut 12:00 - 12:30 A five dimensional distorted black hole with a "bubble". Speaker Matin Tavayef 12:30 PM 2:00 PM Relativity, Gravitation and Cosmology Session | Location: Mount Allison University, Dunn 113, 67 York St., Sackville, New Brunswick 14:00 - 14:30 Conservation, Non-conservation Laws and Gravitational Energy momentum in **Curved Spacetime** Speaker Prof. Zhao Yan Wu 2:30 PM