

**Abstract Kristian Zarb Adami:**

In this talk, he will give a brief overview of the Square Kilometre Array (SKA) project, a radio interferometer spread over two continents which will provide unprecedented views of the radio sky. The scale of this project is such that the data rates produced by the telescope are more than 10x the global internet traffic today. These large data rates necessitate the development of new 'real-time' processing algorithms as well as novel data storage architectures and facilities. Also in this talk, he will describe current thoughts within the SKA project of how to deal with these data rates and is very much looking forward to having fruitful discussions with the panel as to how the community can begin to deal with these large scientific instruments.