Abstract of Seminar by Mr. John Bosco Habarulema,
South African National Space Agency (SANSA) of Hermanus, South Africa
Title: Modeling TEC from Physical and Geophysical Parameters: Overview and Progress
When: Feb. 19, 2013 at 2:00pm.
Where: ISR Conference Room, St. Clement's Hall, 4th Floor, 201 Foster St.
Brighton Campus, Boston College.

The densification of ground based instruments to carry out comprehensive ionospheric/thermospheric studies over the African region is still low. In this context, the development of reliable empirical/physics based theoretical models is important. This talk will describe the attempts underway to utilize the existing research infrastructure to develop an African regional TEC model. The current model reproduces TEC as a function of seasonal and diurnal variations as well as magnetic and solar activities over the Southern Africa region. Efforts to represent regions without ground based instruments will be highlighted.