



## **Multi-sensor online visualization and analysis of precipitation, moisture, clouds, and aerosols**

A.V. Mehta (1), Z. Liu (2), and G.J. Leptoukh (3)

(1) NASA-UMBC Joint Center for Earth Systems Technology (JCET), NASA/GSFC, Laboratory for Atmospheres Code 613.1), Greenbelt, MD 20771, USA, (2) CEOSR, George Mason University 4400 University Dr., Fairfax, VA 22030, USA, (3) NASA/GSFC, Earth Sciences Data and Information Services Center (Code 610.2), Greenbelt, MD 20771, USA

The NASA Goddard Earth Sciences Data Information Services Center (GES DISC) is home of satellite data archives including those from Terra, Aqua, and TRMM satellites. The GES DISC Interactive Online Visualization ANd aNalysis Infrastructure (Giovanni) provides unique facility of visualization and analysis, and data downloading capability of geophysical parameters retrieved from these satellites. In this poster presentation, accompanied by a computer demonstration, analysis of a variety of case studies of tropical and mid-latitude rain systems and associated moisture, clouds, and aerosols fields will be demonstrated by using Giovanni.