

# **Real Time Network and Products**

***Caissy, M.<sup>1</sup>; Garcia, C.<sup>2</sup>***

**<sup>1</sup>NRCan, CANADA;**

**<sup>2</sup>ESOC, GERMANY**

The IGS will be embarking on a real-time pilot project in the summer of 2006. The start of the pilot project will mark the beginning of a transition of the existing IGS real-time prototype network into an expanded and more robust network. This future network is expected to provide a stable real-time infrastructure upon which to develop and make available real-time and near real-time IGS products including but not limited to, real-time raw-data streams, near real-time high rate data, real-time station-clock and satellite-clock information, and integrity information pertaining to IGS real-time products, in particular IGS predicted orbits. This session will focus on topics pertaining to the evolution of the IGS real-time prototype into a successful pilot phase and eventually a real-time service of the IGS. What real-time applications can the IGS support? What are the real-time products required by these applications? Will the IGS generate combined real-time products as is customary for IGS products? How will we deliver the products to the intended users? These questions will be addressed during this session. A position paper pertaining to the following topics will be presented: Management of the real-time network, the inclusion of Galileo and GLONASS, data formats including RTCM 3.0 and the distribution of IGS products where both the RTIGS and EUREF/NTRIP models will be discussed.