# MST14/iMST1

**Deadline for Abstract submission is February 14, 2014**

www.inpe.br/spaceweather/MST14/

Over the last 30 years, we have held a very successful series of workshops on "Technical and Scientific Aspects of MST Radar". A fourteenth is to be held in 2014, but this time we are expanding the scope to include ionospheric research. This is motivated by the fact that many in the MST radar community are also engaged in ionospheric radar work and we recognize the benefits of having joint workshops with our colleagues who focus primarily on ionospheric research. We are optimistic that this will lead to improvements in research techniques, analysis and fundamental understanding of both atmospheric and ionospheric processes. The workshop will thereby be described by the joint title MST14/iMST1, with the anticipation that this may be the first of many such collaborative workshops.

MST14 /iMST1 will be held at the National Institute for Space Research (INPE) in Sao Jose dos Campos, Brazil, from May 25 to May 31, 2014. Scientists, engineers, technical experts, theoreticians, students, all united in one forum for MST radar studies --- this is what has been special about the series of MST workshops. Previous workshops have been held in diverse locations like India, Peru, the USA, UK, France, Canada and Germany. The focus of the upcoming iMST workshop in São José dos Campos (SP) will be meso/strato/tropospheric and ionospheric coherent scatter radars, but contributions from related areas, such as incoherent scatter probing, collaborative studies using radars and other instruments like lidars and in-situ studies, and relevant modeling efforts will all be welcome.

Contributed and invited talks will be organized in the following sessions:

1. Meteorology and forecasting/nowcasting.
2. MST scattering, micro-scale processes and turbulence.
3. Ionospheric irregularities in E and F regions.
4. Coherent and incoherent scatter radar techniques, ionospheric sounders and imagers.
5. New instruments, signal processing, and quality control.
6. Meteor studies and observations.
7. Middle Atmosphere Dynamics and Structure.

We especially encourage papers involving multi-instrument applications which include MST radars, wind profilers and ionospheric coherent scatter radars (e.g. radars/forecast models, radars/lidars, radars/in situ (rockets or satellites), radars/airglow imagers, radars/satellites, etc.) in all sessions. The program will also integrate several invited tutorial lectures throughout the workshop, which we anticipate will be of interest to all participants, but will be of particular importance to students and those new to the field.

**Clezio Marcos De Nardin**
National Institute for Space Research, Brazil
Chair of the Local Organizing Committee

**Erhan Kudeki**
University of Illinois at Urbana-Champaign, EUA
Co-Chair of the International Steering Committee

**Werner Singer**
Leibniz Institute of Atmospheric Physics, Germany
Co-Chair of the International Steering Committee

For further details, please, access the MST14/iMST1 web page at

**www.inpe.br/spaceweather/MST14/**