

CALL for Partnership from TÜBİTAK UZAY, Space Technologies Research Institute, TURKEY on the FP7 Programme, SPACE Theme

We are looking for partnership and cooperation in Space Critical Technologies under the 4th Space Call of FP7. We propose to be a work package leader or partner on exploitation of space science and exploration data in research projects.



Specific Sectors of Interests:

- Space exploration with astrophysical insights

Research Topic According to the Work Programme 2011:

Area 9.2.1: Research to support space science and exploration

SPA.2011.2.1-01 Exploitation of space science and exploration data

Suggestions for Cooperation and Specific Expertise of TÜBİTAK UZAY on suggested areas:

TÜBİTAK coordinates space R&D activities in Turkey. TÜBİTAK UZAY is one of TÜBİTAK's research and development units, which has initiated satellite technologies in Turkey.

- We want to work in cooperation with a project team for exploitation of space science and exploration data

TÜBİTAK UZAY space science research team, having a distinguished experience in high-energy astrophysics, plays a major role in X-ray astronomy of Turkey.

The space missions such as Ginga, Rosat, ASCA and now with Chandra (NASA), XMM-Newton (ESA) and SUZAKU (JP) are employed.

Although an emphasis on X-ray astronomy remains, the researchers are taking advantage of multi-wavelength data from ground-based and space-based observatories.

High Energy Astrophysics research team discovers more and further about the celestial objects and welcomes all for a collaborative research work...

We are working on:

- Structural formation of the universe by studying clusters of galaxies and superclusters
- Dynamics and underlying physics of intracluster plasma (metal feedback from the galaxies etc)
- ICM and AGN interactions, nature of AGNs
- Supernova explosions and supernova remnants
- Observational evidence of dark-matter, dark-energy and conformation of cosmological parameters

- TÜBİTAK UZAY can successfully collaborate with other European researchers on research projects about scientific problems including data exploitation related to space exploration, including astrophysical insights. TÜBİTAK UZAY's existence in projects will add value to existing activities on European level, and will raise the awareness of coordination among Turkish and European space research area.

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