

Lessons learned from Gaia data processing and analysis

Tuesday, 15 October 2024 18:10 (20)

The Gaia space astrometry mission of ESA is collecting data from more than one billion stars of the Milky Way and beyond, meaning over 136 TB of raw data, nearly 260 billion combined measurements (star transits) and over 2.5 trillion astrometric measurements so far. Even though these numbers may seem “manageable” with nowadays technology, it was a huge challenge back in 2005 when the Gaia Data Processing and Analysis Consortium (DPAC) was being defined. In this talk, I will summarize some of the lessons learned (including data processing and analysis approaches and best practices in software development) that may be applicable to LISA, highlighting similarities and differences between these two groundbreaking missions.

Presenter(s) : PORTELL DE MORA, Jordi (ICCUB)

Session Classification : Contributed Talks