Astrometry for 21st Century Astronomy
FM-7 on August 10/11

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Scientific Organizing Committee

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Motivation

- High accuracy astrometry has made spectacular progress over the past decade
  - VLBI, GRAVITY, Gaia, …
- High accuracy astrometric data is now indispensable across astronomy disciplines and in solar system science
- Highlight the scientific progress based on these astrometric data
- Bring together the astrometry and sky survey communities
- Map out the synergies between astrometry and other techniques and surveys
Programme/invited speakers

FM7-1 Astrometry science highlights
- Lennart Lindegren: 21st Century Astrometry and its Science Applications
- Rachael Beaton: The 21st Century Challenge of Distances: More Robust, Faster, and Farther

FM7-2 Astrometry science highlights
- Sergei Koposov: The stellar streams revolution with Gaia

FM7-3 Astrometric techniques
- Mark Reid: Advances in VLBI Astrometry
- Sylvestre Lacour: Astrometry of exoplanets with optical interferometry
Programme/invited speakers

FM7-4 Dense and accurate reference frames for extremely large telescopes and large sky surveys

- Francois Mignard: Status of the Multi-Wavelength Reference Frames
- Davide Massari: Astrometry with the ELT

FM7-5 Future astrometric surveys

- Richard Dodson: Ultra-precise Astrometry with the SKA
- David Hobbs: The Hidden Regions – Future space astrometry in the Near InfraRed

FM7-6 Synergy between astrometric, photometric, and spectroscopic surveys

- Anna Queiroz: StarHorse parameters for spectroscopic surveys with Gaia EDR3: ages for sub-giants and chemical substructures in the solar vicinity
- Chao Liu: When Gaia meets LAMOST

Details: https://www.busan2021fm7.org/programme/