



Antonino Francesco Lanza graduated from the University of Catania in 1989 and earned his PhD from the University of Catania in 1993. He is an astronomer of the Italian National Institute for Astrophysics and a member of the International Astronomical Union and of the European Astronomical Society.

His current main field of study is the interaction between extrasolar planets and their host stars. He is also interested in the Sun as a star and in physical processes related to the rotation and magnetic fields in late-type stars both single and in close binary systems.

He is one of the founders of the GAPS (Global Architecture of Planetary Systems) collaboration aimed at discovering new planetary systems and investigating their properties and evolution. He collaborated to the space mission CoRoT (as a Guest Investigator) and is involved in Gaia (as a member of the CU7 - Variability processing). He is presently working for the science management of PLATO, a recently approved ESA mission to discover exoplanets and study their evolution with the most advanced methods of Astrophysics.

**Keywords:** History and philosophy of astronomy – magnetohydrodynamics (MHD) – Techniques: photometric – Techniques: spectroscopic – Sun: activity – Sun: UV radiation – Planetary systems – Planet-star interactions – Planets and satellites: magnetic fields – Planets and satellites: detection – Planets and satellites: formation – Planets and satellites: dynamical evolution and stability – stars: activity – stars: late-type – stars: solar-type – close binary stars – binary stars: eclipsing – binary stars: spectroscopic – stars: magnetic field – starspots – stars: rotation

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