

Professor Dr. Frank Eisenhauer – Curriculum Vitae

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RESEARCH and ACHIEVEMENTS

Leading the development and science exploration of large astronomical experiments, with special focus on interferometry, imaging spectroscopy and black hole astrophysics; decisive contributions to the discovery and characterization of the Galactic Center black hole with SINFONI and GRAVITY, with first detections of the Schwarzschild precession and gravitational redshift in the orbit of a star and of the orbital motion of matter close to the last stable orbit; heading the GRAVITY+ upgrade to open up the extragalactic sky for milli-arcsec resolution imaging and ever more sensitive observations of exoplanets and the Galactic Center

CURRENT POSITIONS

2023 – present Director IR / Submm. Group, Max Planck Institute for Extraterrestrial Physics, Germany
2023 – present Scientific member of the Max Planck Society, Germany
2023 – present Adjunct Professor, Technical University of Munich, Germany

PREVIOUS POSITIONS

2017 – 2023 Senior Researcher, Max Planck Institute for Extraterrestrial Physics, Germany
2003 – 2016 Senior Staff Scientist, Max Planck Institute for Extraterrestrial Physics, Germany
1998 – 2003 Postdoctoral Fellow / Research Associate, MPI for Extraterrestrial Physics, Germany
1995 – 1998 Ph.D. Student, Max Planck Institute for Extraterrestrial Physics, Germany

EDUCATION

2011 Habilitation, Experimental Physics, Technical University of Munich, Germany
1998 Ph.D. in Physics, Ludwig-Maximilians-Universität Munich, Germany
1995 Diploma in Physics, Technical University of Munich, Germany
1987 Abitur, Justus-von-Liebig Gymnasium, Neusäß, Germany

HONORS and AWARDS

2023 Instrument Development Award of the German Astronomical Society, Germany
2022 Gruber Cosmology Prize from The Gruber Foundation, USA
2022 Stern-Gerlach Medal of the German Physical Society, Germany
2022 Jackson-Gwilt Medal of the Royal Astronomical Society, UK
2022 Foreign Associate to the Academie des Sciences, Institut de France
2021 Tycho Brahe Medal of the European Astronomical Society, Europe
2020 Michelson Investigator Achievement Award, USA

RESEARCH GRANTS

since 2019 Member of the MPG, TUM and LMU “ORIGINS Excellence Cluster”
2014 – 2021 Member of the ERC Synergy Grant “Black Hole Cam”
2006 – 2018 Member of the MPG, TUM and LMU “Universe Excellence Cluster”

SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS

Supervised several dozen Postdocs and PhD / Master students at MPE, LMU and TUM

ORGANISATION OF SCIENTIFIC MEETINGS

Numerous meetings, e.g. co-chair of the Ringberg Castle conferences

2024 From GRAVITY+ Towards a Kilometers Baseline, Large Telescope Interferometer
2022 Observing the Universe in Motion: 5 Years of GRAVITY
2018 The Central Arcsecond: Towards Testing General Relativity in the Galactic Center,

PUBLICATIONS

More than 450 scientific publications with more than 24.000 citations, h-index of 78, in particular more than 60 publications with more than 100 citations each, including more than a dozen as first or co-leading author.

Munich, 6th October 2024