

## Professor Alistair Glasse - Jackson-Gwilt Medal (A)

Professor Alistair Glasse is awarded the Jackson-Gwilt medal in recognition of his transformative work on mid-IR instrumentation for major observatories, and in particular his role as Instrument Scientist for MIRI, the UK-led mid-infrared instrument on the James Webb Space telescope.

He has played a key role in making mid-IR integral field spectroscopy a successful and widely available technique. Professor Glasse is also a role model and acts as a mentor for many early career scientists and engineers.

Professor Glasse has been engaged in the development of ground-based mid-infrared instrumentation for the last 30 years, starting with his leadership in the design and manufacturing of the UKIRT 'Michelle' instrument. He has been the lead instrument scientist for the JWST MIRI instrument since 2001.

Drawing on his astronomy background and outstanding instrumentation skills, he was the constant connection between the science and engineering teams from the development phase to the testing of the instrument.

Professor Glasse later led the testing and very complex on-sky commissioning of MIRI. His meticulous preparation, vast technical knowledge, and efficient leadership of a large team of engineers and scientists from different institutions made this very challenging process a success. His contribution was key to making MIRI a powerful instrument that continues to contribute to many fundamental astronomy discoveries and will leave a strong heritage for the coming decades.

Professor Glasse's impact continues through his role in the development of ELT/METIS and his mentorship of many early career scientists in the UK and abroad.