



Royal
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The 2024 Fowler Award (A) is awarded to Dr Leah Morabito

Dr Leah Morabito is awarded the RAS Fowler Award for her pioneering work on ultra-high definition imaging with LOFAR (a world-leading low-frequency radio telescope).

She leads the team in the development of a pipeline for the analysis of the international station data with LOFAR, chairs the long-baseline working group, and herself developed a novel approach to separate the low-frequency radio emission from supermassive black holes and their host galaxies from a combination of low and high-resolution imaging.

Her work has opened a new frontier for the study and understanding of how powerful jets launched by supermassive black holes impact the growth of galaxies.

Dr Morabito also plays a leading role in the development of the Square Kilometre Array Observatory (SKAO), serves as chair of the UK SKAO Science Committee, and is building strong connections with emerging and developing countries, including South Africa and India, both hubs for SKAO, to support skills and infrastructure development.

Dr Morabito also contributes substantially to the research, funding, and workplace environment in her own institution.

For these reasons Dr Leah Morabito is awarded the Fowler Award.