



# The Multiwavelength Atlas of Galaxies

By Glen Mackie

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Since the radio signature of our own Milky Way was detected in 1931, galaxies have been observed from ultra-high energy gamma rays to long wavelength radio waves, providing fundamental insights into their formation, evolution and structural components. Unveiling the secrets of some of the best-observed galaxies, this atlas contains over 250 full-color images spanning the whole electromagnetic spectrum. The accompanying text explains why we see the component stars, gas and dust through different radiation processes, and describes the telescopes and instruments used. This atlas is a valuable reference resource on galaxies for students seeking an overview of multiwavelength observations and what they tell us, and researchers needing detailed summaries of individual galaxies. An accompanying website, hosted by the author, contains slide shows of the galaxies covered in the book. This is available at [www.cambridge.org/9780521620628](http://www.cambridge.org/9780521620628).

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### Editorial Review

#### Review

'In this excellent atlas, Glen Mackie of Swinburne University of Technology, Melbourne, has collected images of familiar and less familiar galaxies at various wavelengths and comparable scales, showing how key features of galactic form and evolution are picked out in cool dust, hot gas and spectral emission, to name but a few.' *Astronomy and Geophysics*

#### About the Author

Glen Mackie is an astronomer in the Centre for Astrophysics and Supercomputing (CAS), Swinburne University of Technology, Melbourne, Australia, and Coordinator of Swinburne Astronomy Online (SAO). He received a PhD ('The Stellar Content of Central Dominant Galaxies') from the Australian National University in 1990, and has worked at the University of Wisconsin, Madison, the Harvard-Smithsonian Center for Astrophysics, the Carter Observatory and Victoria University of Wellington. His research interests include galaxy formation and evolution, the rich cluster environment, multiwavelength properties of galaxies, large-scale structure, galaxy interactions and mergers and astronomy education and history.

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