



XIX IAG/USP Advanced School on Astrophysics

Radio Astronomy: Science and Instrumentation with the Next-Generation Telescopes

September 1-5, 2025

Bertioga/SP - Brazil

LECTURES

- *Radio Telescopes and Fundamentals of observations*
Alex Kraus (Germany)
- *An introductory course to the properties of the interstellar medium*
Maria Teresa Beltran (Italy)
- *Radio Interferometry: Principles, Practices, and Astrophysical Frontiers*
Laurent Loinard (Mexico)
- *Active galactic nuclei at radio wavelengths: properties, life and impact*
Raffaella Morganti (The Netherlands)
- *Spectral Line Astrophysics with interferometry*
Thomas Oosterloo (The Netherlands)

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Lynn Matthews (MIT – USA)
Lars-Ake Nyman (ESO – Chile)
Reinaldo Santos-Lima (IAG – Brazil)
All Wooten (NRAO – USA)

INVITED TALKS

- Jacques Lépine (IAG/USP)
- Rodrigo Nemmen (IAG/USP)
- Zulema Abraham (IAG/USP)
- C. Guillermo Giménez de Castro (CRAAM & CONICET/UBA)
- Thomas Oosterloo (University of Groningen)
- Reinaldo Santos-Lima (IAG/USP)
- Phillip Galli (IAG/USP)
- Ciriaco Goddi (IAG/USP)

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