

# ERIS 2024 PROGRAMME

**Venue:** Instituto de Astrofísica de Andalucía. [Glorieta de la Astronomía, S/N, 18008, Granada](#)

**Lunches:** Estación Experimental del Zaidín. [C. Prof. Albareda, 1, Genil, 18008 Granada](#)

## Monday 30 Sep 2024

08:15-09:00	Registration	
09:00-09:15	Welcoming	
09:15-10:45	L - Introduction to interferometry	Ivan Martí-Vidal
10:45-11:15	Coffee Break	
11:15-11:30	T - Introduction to writing a proposal	Zsolt Paragi
11:30-12:45	L - Fun with interferometers	Ivan Martí-Vidal
12:45-14:00	Lunch	
14:00-15:30	L+T - Introduction to interferometric data	Carmen Toribio, Miguel Pérez-Torres
15:30-16:00	Coffee Break	
16:00-17:30	L+T - Introduction to calibration	Jack Radcliffe, Ann Njeri Ng'Endo
17:30-18:00	L - Spectrum management	Marta Bautista
19:00-21:00	Welcome cocktail at <a href="#">the IAA</a> headquarters (same as the lectures)	Glorieta de la Astronomía, S/N, 18008, Granada

## Tuesday, 1 Oct 2024

At 15:30 Group #1 visits IRAM observatory. Group #2 stays at the IAA

9:00-9:45	L+T - Introduction to calibration (cont.)	Jack Radcliffe, Ann Njeri Ng'Endo
9:45-10:30	L - Millimetre Interferometry (ALMA, NOEMA)	Edwige Chapillon
10:30-11:00	Coffee Break	
11:00-12:45	L+T - Introduction to imaging	Geferson Lucatelli, Ivan Martí-Vidal
12:45-14:00	Lunch	
14:00-15:30	L+T - Introduction to self-calibration	David Williams, Anita Richards
15:30-16:00	Coffee Break / Bus <b>IRAM group #1</b>	
16:00-17:30	L+T - Advanced imaging (for Group #2)	Miguel Pérez-Torres, Anita Richards
17:30-18:00	New imaging techniques: RML, Bayesian, and Neural Networks (for Group #2)	Marianna Foschi, Kotaro Moriyama, Rohan Dahale
20:00-21:00	Sport evening at <a href="#">Complejo Deportivo Bola de Oro</a> (optional)	C. Borreguiles, s, Genil, 18008 Granada

## Wednesday, 2 Oct 2024

At 15:30 Group #2 visits IRAM observatory. Group #1 stays at the IAA

09:00-09:45	The Square Kilometre Array (SKA) (joint lecture with Geraldton radio school)	George Heald (remote)
09:45-10:30	L - Proposals and observing planning (joint lecture with Geraldton radio school)	Benito Marcote
10:30-11:00	Coffee Break	
11:00-11:45	L - Polarisation	Ivan Martí-Vidal
11:45-12:45	L - Spectral line interferometry	Carmen Toribio
12:45-14:00	Lunch	
14:00-15:30	L + T - Very long baseline interferometry	Zsolt Paragi, Benito Marcote
15:30-16:00	Coffee Break / <b>IRAM group #2</b>	
16:00-17:30	L+T - Advanced imaging (for Group #1)	Miguel Pérez-Torres, Anita Richards
17:30-18:00	New imaging techniques: RML, Bayesian, and Neural Networks (for Group #1)	Marianna Foschi, Kotaro Moriyama, Rohan Dahale
22:00-23:00	Evening Pub quiz at <a href="#">La Premier</a> (optional)	Pl. de Mariana Pineda, 1, Centro, 18009 Granada

## Thursday, 3 Oct 2024

09:00-10:30	Parallel: AT1 + AT2 + AT3 + AT4	
10:30-11:00	Break	
11:00-12:00	Parallel: AT1 + AT2 + AT3 + AT4	
12:00-14:00	Lunch	( <a href="#">Colloquium</a> by Jack Radcliffe for IAA staff, non-mandatory)
14:00-15:00	Optical Interferometry	Claudia Paladini (remote)
15:00-15:30	Astronomy for Equity: Addressing Gender Disparity in Education in rural Kenya and Uganda using Astronomy	Ann Njeri Ng'Endo, Alicia Pelegrina
15:30-16:00	break	
16:00-18:00	Parallel: AT1 + AT2 + AT3 + AT4	
20:00-22:00	School dinner at <a href="#">Carmen de la Victoria</a>	Cta. del Chapiz, 9, Albaicín, 18010 Granada

### Advanced Tutorials

AT1	Metre / wide-field (LOFAR)	<b>Marco Iacobelli</b> , Miguel Pérez-Torres, Javier Moldón
AT2	Centimetre / polarisation (e-MERLIN)	<b>David Williams, Anita Richards</b> , Ann Njeri Ng'Endo, Gefferson Lucatelli
AT3	Centimetre / VLBI (EVN)	<b>Benito Marcote</b> , Gabor Orosz, Zsolt Paragi, Jack Radcliffe
AT4	Millimetre / spectral line (ALMA)	<b>M. Carmen Toribio</b> , Edwige Chapillon, Guillermo Blázquez

## Friday, 4 Oct 2024

09:00-09:30	Career development in radio astronomy, transferable skills	Rainer Mauersberger (remote)
09:30-10:30	T - Proposal presentations (preparation)	students
10:30-11:00	Break	
11:00-12:45	T - Proposal presentations	students
12:45-14:00	Lunch	
14:00-14:45	T - Proposal presentations	students
14:45-15:00	Concluding Remarks and Feedback	