INAM 2024 Galway Meeting Program

Time	Speaker	Thursday 29th of August	Affiliation	Time	Speaker	Friday 30th of August	Affiliation
09:00 - 10:00		**Arrival and Registration**		09:00 - 09:15	Aisling O'Hare	Investigation of Pulsations in Geoeffective Solar Flare Emission	QUB
10:00 - 10:15	Christian Ginski/ Aela Power	Opening of Meeting	UoG	09:15 - 09:30	Harry Greatorex	Examining the Impact of Nonthermal Electron Properties on Lyman-alpha Emission in Solar Flares	QUB
10:15 - 10:30	Cormac Ryan	The future of exoplanet observations: from citizen science to data mining and machine learning.	DCU	09:30 - 09:45	Deirdre Ní Chonchubhair	Multi wavelength observations of flare stars	UoG
10:30 - 10:45	Nika Gorchakova	Machine Learning solutions to multi-dimensional data processing challenges in the search for extrasolar planets	DCU	09:45 - 10:00	Sorcha McManamon	First results from the ARKS ALMA Large Program: CO gas in debris discs in unprecedented detail	TCD
10:45 - 11:00	John Brennan	Super Resolution in Astrophysics Simulations with Machine Learning	Maynooth	10:00 - 10:15	Kevin Smith	Observing exocometary molecules at the epoch of volatile delivery with NIRSpec	TCD
11:00 - 11:15		**POSTER POP SESSION**		10:15 - 10:30	Matthew Birney	Spectro-imaging of the RU Lupi Jet and Wind with MUSE	Maynooth
11:15 - 11:45		**COFFEE BREAK**		10:30 - 11:00		**COFFEE BREAK**	
11:45 - 12:00	Pelle van de Bor	Applying Machine Learning to speed up astrophysical chemistry solvers	Maynooth	11:00 - 11:15	Toby Rodel	Long-period transiting Exoplanets from TESS and NGTS	QUB
12:00 - 12:15	Shane Maloney	Open Source Software in Science: stixpy	DIAS	11:15 - 11:30	Mark Fortune	Searching for an atmosphere on a temperate rocky exoplanet	TCD
12:15 - 12:30	Cáthal McAleer	Microwave Kinetic Inductance Detectors for Optical to Near-Infrared Astronomy - Automated Design & Optimization	Maynooth/DIAS	11:30 - 11:45	Evert Nasedkin	Characterising the atmospheres of young, giant exoplanets with VLTI/GRAVITY.	TCD
12:30 - 12:45	Rebeca Garcia Lopez	GRAVITY+	UCD	11:45 - 12:00	Cian O'Toole	Aurorae, Clouds or Magnetic Spots? Disentangling The Drivers of Variability in Three Early L-Dwarfs.	TCD
12:45 - 14:00		**LUNCH BREAK**		12:00 - 12:15	Sorcha Kennelly	Two views of the same star: how different models deal with the light neutron star LAMOST J112306.9+400736	UCC
14:00 - 14:20	Bruno Leibundgut	**ESO current and future facilities**	ESO	12:15 - 12:30	Saskia Schlagenauf	S-PLUS MUSE - STARLIGHT & Revelations on Star Formation History	Armagh
14:20 - 14:40	Emma Whelan	**Ireland and ESO: 6 years of membership**	Maynooth	12:30 - 14:00		**LUNCH BREAK**	
14:40 - 15:00	Nicholas Devaney	**MORFEO - Wide field Adaptive Optics for the ELT**	UoG	14:00 - 14:15	Susanna Bekker	Numerical study of the Earth's ionospheric response to various phases of a solar flare	QUB
15:00 - 15:10	Kate Maguire	Supernovae and extragalactic transients with ESO facilities	TCD	14:15 - 14:30	Carla Anderson	Putting the 'planet' back into 'planetary nebula'	UoG
15:10 - 15:20	Mark Kennedy	Science with high cadence observations UKLTRACAM at the NTT	UCC	14:30 - 14:45	Arjun Chawla	The impact of cluster environments on the HI reservoirs of galaxies: an immersive data visualisation approach	Armagh
15:20 - 15:30	Patrick Kavanagh	Spatially resolved spectroscopy of SN 1987A with JWST and VLT/MUSE	Maynooth	14:45 - 15:00	Joe McCaffrey	Building a High-redshift Massive Black Hole population with High Resolution Simulations	Maynooth
15:30 - 15:40	Christian Ginski	SPHERE/DESTINYS: The largest scattered light survey of planet-forming disks	UoG	15:00 - 15:15	Lee Whitaker	A Comparison Between the Merger and Growth Histories of Massive Black Holes Across Environments	UCC
15:40 - 16:10		**COFFEE BREAK**		15:15 - 15:30	Patryk Hajdul	Different Shapes and Sizes: Understanding Scatter in Supermassive Black Hole Growth in the Early Universe	UCC
16:10 - 16:30	Tyler Bourke	The Square Kilometre Array - Status and Science (20 min)	SKA Observatory	15:30 - 16:00	Niall Smith	**The National Space Strategy**	
16:30 - 16:45	Evan Keane	SKA - Ireland (15 min)	TCD	16:00 - 16:10	SOC/LOC	**POSTER PRIZE**	
16:45 - 17:00	Conor Sheridan	Pulsar science using the I-LOFAR telescope.	UoG	16:10 - 16:25		**Closing remarks**	UoG

17:30	Leo Enright	**Public Talk on the past 50 years of astronomy in Ireland**					
18:30		**Evening Social Gathering at O'Connells Bar (Eyre Square)**					

Color code:	Instrumentation /Computation	ESO session		Observation	Numerical/ Theory		