

Institute of Space Sciences: 25 Years of Discovery and Innovation

Tuesday 4 February 2025

Day 2: ICE-CSIC Departments Science Talks I: Planetary systems and Earth Observation - Residencia de Investigadores de Barcelona (09:30 - 11:00)

time	[id] title	presenter
09:30	[7] Magnetic fields in exoplanetary systems and low-mass stars Daniele Viganò	
09:50	[8] 25 years developing EO techniques, preparing for the next 25! Weiqiang Li	
10:10	[9] Exoplanet detection and characterization at the ICE-CSIC Manuel Perger	
10:30	[10] Understanding asteroids and comets from space missions and meteorite laboratory studies Josep M. Trigo-Rodríguez	

Day 2: ICE-CSIC Departments Science Talks II: Star formation, Stellar and High-energy Astrophysics - Residencia de Investigadores de Barcelona (11:30 - 13:00)

time	[id] title	presenter
11:30	[11] ALMAGAL: Evolutionary study of high-mass proto-cluster formation in the Galaxy Álvaro Sánchez-Monge	
11:50	[12] Nova explosions and instrumentation for X-rays Margarita Hernanz	
12:10	[13] Some scientific highlights of the multi-messenger astrophysics group: a 19 years contribution to ICE-CSIC's 25 years of success Diego F. Torres	
12:30	[49] The Sun, solar-like stars, and asteroseismology Aldo Serenelli	

Day 2: Social Activity - Residencia de Investigadores de Barcelona (14:00 - 14:15)

Day 2: ICE-CSIC Departments Science Talks III: Advance engineering Unit - Residencia de Investigadores de Barcelona (14:15 - 15:45)

time	[id] title	presenter
14:15	[42] ARRAKIHS: Calibrating the VIS detectors Àlvaro Montoro	
14:30	[43] Microwave electronics for Earth Observation and Radioastronomy Serni Ribó	
14:45	[44] Software development at the AEU Víctor Martín	
15:00	[45] STARS: AI-Powered Scheduling Solutions for astronomical observatories Ramon Vallés	
15:15	[46] Ultra-sensitive temperature sensing using cavity opto-mechanics Vivek Gualani	
15:30	[47] Technological capabilities to face the design a Wide Field X-ray Monitor Daniel Álvarez	

Day 2: Round Table: ICE-CSIC and the future of astronomy and space sciences - Residencia de Investigadores de Barcelona (16:15 - 17:45)

time	[id] title	presenter
16:15	[30] Round Table - Challenges in Technological Research	
17:00	[31] Round Table - Challenges in Scientific Research	