

ASTRONOMY EDUCATION ADVENTURE IN THE CANARY ISLANDS

"EXPLORING STARS AND OTHER WORLDS"

VI INTERNATIONAL
SUMMER COURSE

GOES VIRTUAL!

20-24 JULY
2020

Programme

Monday July 20

WEST	CEST	Activity	Lecturer
9:00 – 9:30	10:00 – 10:30	Welcome to the participants & Presentations	IAC Deputy Director, NRE, RD
9:30 – 10:30	10:30 – 11:30	TALK: Introduction to Astronomy	Héctor Socas
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	TALK: Telescopes & Virtual visit to the IAC and its Observatories	NRE
12:30 – 14:30	13:30 – 15:30	Break	
14:30 – 15:30	15:30 – 16:30	Inquiry Based Learning (IBL)	RD
15:30 – 16:30	16:30 – 17:30	IBL with our star: the Sun	SBH
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

Tuesday July 21

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	TALK: The secret life of stars	NRE
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 11:45	12:00 – 12:45	Schools in the 21 st Century	RD
11:45 – 12:30	12:45 – 13:30	Introduction to Stellarium	FL
12:30 – 14:30	13:30 – 15:30	Break	
14:30 – 16:30	15:30 – 17:30	Workshops with Stellarium: 1) Calculate the mass of Jupiter, 2) Astronomy vs Astrology, 3) Plan an astronomical observation	BGG, RD, NRE
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	



Wednesday July 22

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	Robotic telescopes: Faulkes Telescope Project, NSO, Down2Earth	FL
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	Robotic telescopes: PETeR, IBL with PETeR	NRE
12:30 – 14:30	13:30 – 15:30	Break	
14:30 – 16:30	15:30 – 17:30	Introduction to image processing	RD, FL
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

Thursday July 23

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	TALK: Exoplanets	Felipe Murgas
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	Measuring brightness of celestial objects	FL, NRE, RD
12:30 – 14:30	13:30 – 15:30	Break	
14:30 – 16:30	15:30 – 17:30	Discover variable stars and exoplanets with robotic telescopes	NRE
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

Friday July 24

WEST	CEST	Activity	Lecturer
9:00 – 9:20	10:00 – 10:20	CESAR Project	MB
9:20 – 10:30	10:20 – 11:30	CESAR Educational Activity: Revealing the mysteries of the Universe	BGG
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:00	12:00 – 13:00	Finding evidence of life in other worlds	SBH
12:00 – 12:30	13:00 – 13:30	Requesting observations with the LCO	NRE
12:30 – 14:30	13:30 – 15:30	Break	
14:30 – 16:00	15:30 – 17:00	Project exploration	RD, FL, NRE, SBH, BGG, MB
16:00 – 16:30	17:00 – 17:30	Final remarks and evaluation	



Lecturers

Instituto de Astrofísica de Canarias (IAC; Spain):

Felipe Murgas

Researcher specialized in Exoplanets

Héctor Socas Navarro

Researcher specialized in Solar Physics, Director of the Science and the Cosmos Museum (Museums of Tenerife), Coordinator of the “Coffee Break: Señal y Ruido” podcast

Nayra Rodríguez Eugenio - NRE

Astrophysicist and science communicator. Coordinator of the Educational Project with Robotic Telescopes (PETeR)

Sandra Benítez Herrera – SBH

Coordinator of the CosmoLab educational project and science communicator

NUCLIO (Portugal)

Rosa Doran - RD

President of NUCLIO, chair of the Galileo Teacher Training Program and vice-president of the executive council of the Global Hands-on Universe Association

FTP, NSO (United Kingdom)

Fraser Lewis - FL

Research Director of the Faulkes Telescope Project (FTP) and Operations Officer for the National Schools' Observatory (NSO)

CESAR (ESAC, ESA-INTA-ISDEFE; Spain)

Beatriz González García - BGG

CESAR Space-Science Experiences and Science cases coordinator

Michel G. Breitfellner - MB

Astrophysicist, Mars Express Operations Engineer, Coordinator of the CESAR education initiative



Collaborators

NUCLIO (Portugal)

Ana Costa

Physics and Chemistry teacher. Projects Coordinator at NUCLIO

Gustavo Rojas

Astrophysicist, Astronomy Education and Outreach Specialist. Project coordinator at NUCLIO

