

# 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 <sup>st</sup> 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

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## 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

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

### 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

