

26-30 JULY  
2021

“OUR HOME IN THE COSMIC OCEAN”  
ONLINE COURSE

# VII INTERNATIONAL SUMMER COURSE ASTRONOMY EDUCATION ADVENTURE IN THE CANARY ISLANDS

Foto: Jorge A. Perez Prieto (IAC)



## PROGRAMME

### Monday July 26

WEST	CEST	Activity	Lecturer
9:00 – 9:45	10:00 – 10:45	<b>Opening &amp; Presentations</b>	NRE, RD, IAC Vice-Director
9:45 – 10:30	10:45 – 11:30	<b>Cosmos: 40 years of personal voyage</b>	Héctor Socas
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	<b>Introduction to Astronomy</b>	NRE, Héctor Socas
12:30 – 14:15	13:30 – 15:15	Break	
14:15 – 14:30	15:15 – 15:30	<b>Warm-up</b>	
14:30 – 15:30	15:30 – 16:30	<b>Innovative methodologies for education</b>	RD
15:30 – 16:30	16:30 – 17:30	<b>The Voyager missions</b>	SBH
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

## Tuesday July 27

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	<b>The shores of the cosmic ocean</b>	SBH
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	<b>Canary Islands: a window to the Cosmos</b>	NRE
12:30 – 14:15	13:30 – 15:15	Break	
14:15 – 14:30	15:15 – 15:30	<b>Warm-up</b>	
14:30 – 15:00	15:30 – 16:00	<b>Introduction to Stellarium</b>	FL
15:00 – 16:30	16:00 – 17:30	<b>Workshops with planetarium software: 1) Cosmic calendar, 2) Investigate Earth movements, 3) Calculate the mass of Jupiter</b>	RD, BGG, NRE , SBH
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

## Wednesday July 28

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	<b>Robotic telescopes: Faulkes Telescope Project, NSO, Down2Earth</b>	FL
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	<b>PETeR: IAC's Educational Project with Robotic Telescopes</b>	NRE
12:30 – 14:15	13:30 – 15:15	Break	
14:15 – 14:30	15:15 – 15:30	<b>Warm-up</b>	
14:30 – 16:30	15:30 – 17:30	<b>Introduction to image processing</b>	RD, FL
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

## Thursday July 29

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	<b>CESAR Project</b>	MB, BGG
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	<b>Travel to the Universe with ESA sky</b>	BGG
12:30 – 14:15	13:30 – 15:15	Break	
14:15 – 14:30	15:15 – 15:30	<b>Warm-up</b>	
14:30 – 16:30	15:30 – 17:30	<b>Investigate the Solar System with robotic telescopes</b>	NRE
16:30 – 17:00	17:30 – 18:00	Feedback and Q&A	

## Friday July 30

WEST	CEST	Activity	Lecturer
9:00 – 10:30	10:00 – 11:30	<b>Schools in the 21st Century and other NUCLIO's projects</b>	RD, GR
10:30 – 11:00	11:30 – 12:00	Break	
11:00 – 12:30	12:00 – 13:30	<b>Heaven and Hell: asteroids and comets</b>	Javier Licandro
12:30 – 14:15	13:30 – 15:15	Break	
14:15 – 14:30	15:15 – 15:30	<b>Warm-up</b>	
14:30 – 16:00	15:30 – 17:00	<b>Hunting for Asteroids</b>	FL, GR, BGG, NRE
16:00 - 16:30	17:00 - 17:30	Final remarks and evaluation	

# LECTURERS

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## Instituto de Astrofísica de Canarias (IAC; Spain)

### **Javier Licandro**

Researcher specialized in minor bodies in the Solar System

### **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**

Astrophysicist and science communicator. Coordinator of the CosmoLab project (until Feb 2021)

## 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

### **Gustavo Rojas - GR**

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

## 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**

Astrophysicist and science communicator. CESAR Space-Science Experiences and Science cases coordinator

### **Michel G. Breittellner - MB**

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

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# COLLABORATORS

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## IAC (Spain)

### **Inés Bonet**

Audiovisual and design specialist

### **Iván Jiménez**

Audiovisual and social media specialist

### **Aarón García Botín**

Journalist

## NUCLIO (Portugal)

### **Ana Costa**

Physics and Chemistry teacher. Projects Coordinator at NUCLIO

### **Teresa Direitinho**

Social media specialist