

HSCI 2022 Programme. Please check the colour code to know more about type of participation, times, etc

Timetable	Monday	Tuesday	Wednesday	Thursday	Friday	
9:00					We will star a bit later.	
9:15					Antonia Trompeta: Plants, my Dear Friends	
9:30	Welcome & Registration	PLENARY LECTURE: Francisco Sousa. Virtual Learning Environments – issues of design and inclusion	Visit to Paleoanthropological Sites of Atapuerca	PLENARY LECTURE: Sue D. Tunnicliffe. Hands on science learning starts in Play in the earliest years	Erham Sahim: Investigation of Science and Art Center Teachers' Opinions on STEM Education Approach	
9:45		Evangelia N. Petraki: The use of Computer Animation to support teaching of Science in Primary Education		Denise Balmer. De-Mystifying Science	Rita Rocha et al.: PBL AT SCHOOL:a case study. μ -QUANT: Optimizing Microplastics Quantification Through Image Analysis	
10:00		Vanesa Baños: Ready to Innovate – Maths&Sports4all (RIMAS)		Carolina Sotéiro: Writing Popular Science Texts on Treatments to fight Covid-19	Daniel Duque: Using Backyard Brains' Human-Human Interface to Perform a Milgram Experiment	
10:15		Chien-Heng-Chou: How to learn Calculus in an easier and more efficient way		José Benito Vázquez: Teacher training on virtual labs and low-cost science experiments	Josep M. Fernández: Chemistry of food, essential to promote science education	
10:30		Antonio Baptista: The attitude of Visual Impaired Students Towards STEM: A Pilot Study		<i>There is no coffee break</i>	<i>Coffee break & POSTER & SCIENCE FAIR</i>	Carolina Soteiro: Analyzing visual representation in Brazilian Chemistry Textbooks
10:45		<i>Coffee break & REGISTRATION</i>				<i>Coffee break</i>
11:15	Opening Session	WORKSHOPS & DEMONSTRATIONS: Jordi Díaz: Nanoexplora (nanoinventum): Kit of nanotechnology for education		Carmen Perea: Museums and STEAM education: Teach, Train and Connect	Iryna Berezovska : Ukrainian education in times of uncertainty	
11:30			Iryna Berezovska: Attitudes of Young People to Safe	Raquel Arroyo: Approaching science to school children.		

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		<ul style="list-style-type: none"> ▪ Luis Alfonso: Testing Eyes Protection Against UV 		Listening to Reduce Risks of Hearing Loss	
11:45	Silvia Zurita: Partnerships between schools and science institutions: the Magnet project experience	<ul style="list-style-type: none"> ▪ Silvia Zurita & Carmen Diez: Hands-on Virtual Experiments. Workshop on Virtual Laboratories: How to work with Inquiry Learning Spaces and GoLab Environment 		Josep M. Fernández: From the Magic of Chemistry (Science) to the Chemistry (Science) of magic	Salah Nasr: Monastir Science Palace: Towards a National Leader in STEM Learning
12:00	Victor M. Martins: Hands-on in the School Pond!	<ul style="list-style-type: none"> ▪ Luis Carlos Pardo: The mobile phone: a powerful lab in your pocket 	POSTER SESSION & SCIENCE FAIR (check participants below)	DISCUSSION GROUP: Jordi Díaz Marcos. Networking and creativity	Rita Rocha et al.: PBL AT SCHOOL: a case study: ALGAE - Analysis Of Global Warming In Algae Efficiency
12:15	Antonio Canepa: AquaCoLab: Collaborative laboratories and citizen science for monitoring the quality of freshwater systems	<ul style="list-style-type: none"> ▪ Denise Balmer: Come on a Geological Safari! ▪ Emad El-Shafey: STEAM-based learning in Tesla Academy for Hands-On Science & Leaders Language School. The Edu input and the outcome! 			
12:30	Carla Almeida-Rocha: "Blind Test" Are the waters all the same? The chemical magic of water	<ul style="list-style-type: none"> ▪ Antonio Canepa: Practical workshop in the AquaCoLab project. Technological tools and citizen science for the knowledge and care of biodiversity (1:15h x 1) 	Marta Marques: Introducing Science to Primary School Students with Autism Spectrum Disorders		Closing Session
12:45	Some practical issues and how to go for lunch?	Choose which ones to go (three) until full capacity	Marta Marques: Hands-on STEAM and Inclusive Education in Primary School		
13:00	Lunch Restaurant at "Facultad de Económicas"	Lunch Restaurant at "Facultad de Económicas"	Lunch Restaurant at "Facultad de Económicas"	Lunch Restaurant at "Facultad de Económicas"	Lunch Restaurant at "Facultad de Económicas"
14:45	M^ª Helena Dias: Prosody and Hands-On Science: The Results of AMPER in Madeira for Learning and Research	VISIT AND ACTIVITIES at Burgos Science and Technology Station	PLENARY LECTURE: Chien-Heng-Chou	Carolina Sotéiro: Creating Blogs about Chemistry and Covid-19	

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15:00	Marián Queiruga: Community service to share learning and science	<ul style="list-style-type: none"> ▪ Archaeology is cool: how to adapt the scientific method ▪ Robotics and programming for STEAM education ▪ Is the secret in the dough? ... 	Science education for wind power technique and electricity generator driven by ocean waves	Alejandro Rey: Science and Technology for a Sustainable Future	See you next year!!!
15:15	PERFORMANCE: Crisrian Andrés Ferrada. STEM from robotics: how to improve the attitude towards mathematics in 5th and 6th grade students in Spain.		Antonio Baptista: Media and Digital Skills of Visual Impaired Students	PERFORMANCE: Iria Estévez,... Valentina Tereshkova and Hedy Lamarr through scientific experimentation. A science show about their role throughout history.	
15:30					
15:45					
16:00			Nuno Francisco et al.: PET-A – Polyethylene terephthalate Algae		
16:15	Social Program / Free time	Social Program: Historic Centre of Burgos & Cathedral	Social Program: Human Evolution Museum. 2 groups (First: 16:30; Second: 18:30)	Social Program. Free time: visit our city on your own.	
				20:30 CONFERENCE DINNER	

Colour code:

	Organization: registration, Opening session and Closing session
	Refreshment: Coffee Break and Lunch. We will use these breaks in order to meet, poster, science fair,...
	Oral presentation. <i>Each presentation will take no more than 15 minutes.</i>
	WORKSHOPS & DEMONSTRATIONS. 1:30 h. Each one <i>30 minutes session repeat three times (30'x3=90 minutes)</i>
	Poster & Science Fair
	Discussion group / Plenary Workshop
	Plenary Lecture. <i>45 minutes (aprox.)</i>
	Performance <i>(45-60 minutes)</i>
	Social Program

POSTER SESSION & SCIENCE FAIR.

How to learn, make and admire Science: hands-on activities for environmental caring	<i>Sandra Curiel-Alegre, Blanca Velasco-Arroyo, Juan José González-Plaza, Carlos Rumbo, Natalia Fernández-Pampín, Juan Antonio Tamayo-Ramos, Sonia Martel, Rocío Barros</i>
MEDNIGHT: activities, resources, events and more about the Mediterranean Science	<i>Carmen Perea, Theos Anagnostopoulos, Ricardo Dominguez, Mila Martínez, Maite Saenz, Juan Fuster, Mirtani Pieri, Taner Arsan, Gulsun Saglamer, Marina Trimarchi</i>
CHALLENGES OF THE 21ST CENTURY IN EDUCATION: EMERGING TECHNOLOGIES	<i>Eva María Gomis, Carmen Perea</i>
Integrating English, Literature and Science through Project-Based Learning: a proposal in Higher Education	<i>David (Ruiz Hidalgo)</i>
Open Schools with STEM Projects	<i>Carmen Díez</i>
Real Science at Secondary School: From Antarctic Samples to a Scientific Poster	<i>Olga Segundo-Mendoza; Susana E. Jorge-Villar</i>
EDUCATIONAL ROBOTIC PLATFORM FOR TEACHING IN DIFFERENT EDUCATION LEVELS	<i>Daniel Garcia-Costa, Emilia López-Iñesta, Adrián Suarez, Pedro Amador Martínez, Rafael Fayos-Jordan</i>
CODELASTRO – a STEM project for Code Learning with Astronomical Ideas	<i>Henrique Cachetas, Vitor M. Martins, Manuel F. M. Costa, João P. Vieira, AE André Soares</i>
Further Fiction there is (always) Science	<i>María Díez, Miguel Ángel quiruga, Susana E. Jorge</i>
Interdisciplinary Didactic Scenario in Technology Education and Information Technology	<i>Lemonia Golikidou, Dimitrios Fasouras, Luísa Couto, Tomás Barros</i>
Informal learning programs and environment as a way to enhance STEM education process. Exemples from tunisian experience	<i>Slimene Sedrette</i>
The school science laboratory in the inicial training of Early Childhood Education teachers	<i>M. Marta Alarcón-Orozco</i>
PBL AT SCHOOL: a case study: ALGAE - Analysis Of Global Warming In Algae Efficency	<i>Rita Rocha, Inês Sárria & João Reis</i>
PBL AT SCHOOL: a case study. E-DRONE: Assessing Cargo Ship Exhaust Emissions Using Low-Cost Multicopter Unmanned Aerial Vehicles	<i>Rita Rocha & Mariana Gonçalves</i>
PBL AT SCHOOL: a case study. μ -QUANT: Optimizing Microplastics Quantification Through Image Analysis	<i>Rita Rocha, Benedita Machado & Maria Mota</i>
Creating of STEM – Equipment: Made a Galileo Refractor	<i>Kseniia Minakova, Mykhailo Kirichenko, Roman Zaitsev</i>
Creating of STEM – Equipment: Mini Solar Plant	<i>Kseniia Minakova, Roman Zaitsev, Mykhailo Kirichenko</i>
Rocket development – Taфра Aerospace	<i>Tiago A. F. R. Alves</i>
Melanogaster: Catch the fly	<i>Olga Segundo Mendoza</i>