

EUROPHOTONICS SPRING SCHOOL 2022

SITGES, BARCELONA

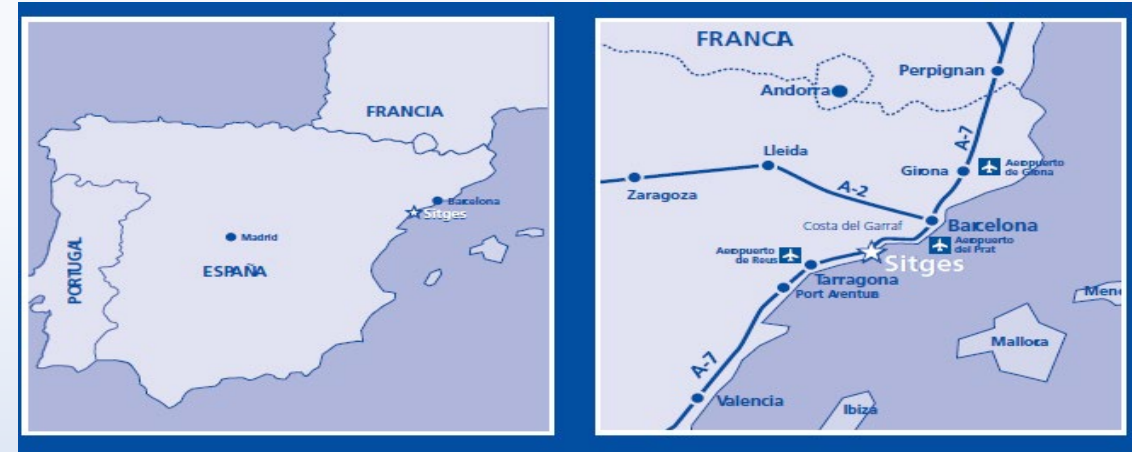
28 – 30 of March, 2022

SPRING SCHOOL
SCHEDULE

	Sunday, March 27 th	Monday, March 28 th	Tuesday, March 29 th	Wednesday, March 30 th
9.00 - 9.15				Jesus Garduño (Universidad Nacional Autónoma de México) Time-resolved spectroscopy
9.15 - 9.30		Openning words		
9.30 - 10.15		Patrick Ferrand (Université Aix Marseille) Phase imaging by computational microscopy	Carsten Rockstuhl (Karlsruhe Intitute of Technology) A multipolar theory for metasurfaces and metamaterials	Uli Lemmer (Karlsruhe Intitute of Technology) Nanophotonic devices fabricated by inkjet printing
10.15 - 11.00		Robert Fickler (Tampere University) Structured photons in quantum photonics applications	Goery Genty (Tampere University) Real-time measurements of ultrafast nonlinear dynamics	Pelayo Garcia de Arquer (ICFO, Barcelona) Building molecules to fight climate change
11.00 - 11.30		coffee break	coffee break	coffee break
11.30 - 12.15		Jorge Alejandro Reyes (Universidad Nacional Autónoma de México) Strong coupling in conjugated Fibonacci porous Si array doped with CdSe/Zn quantum dots	María García-Parajo (ICFO, Barcelona) Photonic antennas for nanoscale biology	Mario Montes (University of Barcelona) Observing and manipulating the microworld: confocal microscopy and optical trapping for cell mechanics
12.15 - 13.00		Kestutis Staliunas (UPC & Vilnius University) Microlasers and spatial filters	María García-Parajo (ICFO, Barcelona) Gender balance in Photonics	Claudio Otón (Scuola Sup. Sant’Anna, Pisa) Photonic sensors on chip: new opportunities
13.00 - 13.15				Closing words
13.15 - 14.30		lunch	lunch	lunch
14.30 - 15.15	Arrivals rooms and registration	Hugues Giovannini (Université Aix Marseille) Can the past influence the future ? Or how collective behaviours modify our decisions	Aidas Matijošius (Vilnius University) Modern femtosecond lasers and their applications	
15.15 - 16.00		Jaismeen KAUR (former student) École Polytechnique - ENSTA ParisTech - CNRS Attosecond control of relativistic plasma mirrors	Verònica Ahufinger (Autononous Univ. of Barcelona) Supersymmetry and topology in coupled optical waveguides	
16.00 - 16.30		coffee break	coffee break	
16.30 - 16.45		Sergio Sáez South Europe Cluster in Photonics (SECPhO) Look inside	DEOP RUANO Juan "Control of energy absorption using electromagnetic fields: from molecules to nanoparticle	
16.45 - 17.00			MEDINA David "Silicon photonics for quantum applications"	
17.00 -17.15			HUO Ran "Single Molecule Diffusion of Integrin Receptors in the Presence of Mechanical Force"	
17.15 - 17.30		CARLA CAMP Project Panel - Careers in Photonics	ABDURAKHIMOV Nursulton "Development and Characterisation of an EUV/soft X-ray Single-Photon	
17.30 - 17.45			GOTTLIEB Dale "Design and Construction of an Optimal Mueller Matrix Imaging Polarimeter for Biomedical	
17.45 - 18.00			TREJO GARCIA David"Stability of (2+1)D solitons in general nonlocality"	
18.00 - 18.15			Kevin Schädler (former student) (Lead Optical Engineer at Near Space Labs) From Nano to Near Space: My Path in Photonics	
18.15-18.30		Free time social interaction	Consortium Meeting (only for the consortium members) Free time for the students	
18.45 - 20.00				
20.00-22.00	dinner	dinner	dinner	

Sitges – Barcelona

Sitges is a Mediterranean coastal town, located in the Garraf area in the province of Barcelona, in Catalonia, Spain. Sheltered by the Garraf mountains and due to its geographical position in the Mediterranean, Sitges has a warm "micro-climate" that makes it possible to enjoy outdoor activities almost every day of the year.



Location for the Spring School: Hotel Sunway Playa Golf

The Hotel is located on the promenade of Sitges, in front of the sea.

<http://en.sunway.es/hotel-sunway-playa-golf-in-sitges/>

Address: Paseo Marítimo 92-94, Sitges



Students accomodation

Sunway Arizona Apartments

Sunway Arizona Apartments, with full kitchens and all the facilities.




<https://sunway.es/blockPrices/ARI-apartments-sunway-arizona>

Address: Carrer d'Anselm Clavé, 35-25, 08870 Sitges, Barcelona

Details : 2 bedrooms with 2 single beds each (0.90m), a living room with a double sofa bed (1.35m), 2 bathrooms, kitchen and balcony-terrace. The kitchen includes a refrigerator and a natural gas hob with an oven. It does not have a microwave. It does not have air conditioning / heating. Bath towels and bed linen are included.

Área: 60 m2 -Capacity: 2-6 pax



 Air conditioning  Heating  Terrace  Private bathroom
 Bedding  Towels  Hair dryer  Kitchen utensils  Microwave

TO GET FROM THE AIRPORT TO SITGES YOU CAN CHOOSE FROM THE FOLLOWING TRANSPORTSERVICE

Train.



Spanish railway company Renfe www.renfe.es offers its services from the Airport Terminal 2 to Sitges with one transfer.

If you landed in the Terminal 2 you only have to walk about 200m/656ft to get to the train stop through the airport covered corridor.

If you landed in the Terminal 1, you have to take a free shuttle to get to the Terminal 2 and then take a train.

Spanish railway network is divided geographically in several zones, depending on the distance you have to run to get to your destination. From the airport to Sitges you have to cross 3 zones, therefore you have to buy a single ticket from Airport to Sitges or you can consider purchasing a "T-10" ticket for 10 trips in 3 zones, if you are going to use train during your stay when going to Barcelona for sightseeing. T10 tickets are quite more economic than one/2 way tickets.

Once you bought a ticket you have to take a train and get to the station Prat de Llobregat (about 5-7 mins away). In Prat de Llobregat you have to transfer to the train line R2 Sud with stop in Sitges.

For further information about time tables and seasonal changes, please visit railway company web: www.renfe.es



Bus



Bus Garraf company offers its services from the airport Terminal 1 to Sitges without transfers. The line you have to take is Barcelona-Vilanova i la Geltru with stop in Sitges. In Sitges there are 5 Garraf Bus stops, you can stop in "La Masia" that is 15 mins walking from the Hotel Playa Golf & SPA – Arizona Apartments.

There are direct buses from Barcelona Airport to Sitges. The Bus Garraf departs from outside Terminal 1 (T1).

If your flight arrives at T2, you will need to take the free shuttle service from T2 to T1. Once you are at T1, you can take the coach to Sitges. For details of Bus Garraf bus timetables and ticket prices, please see the website. Click on 'Timetable Finder' and then type in 'Airport' to 'Sitges- La Masia'. The timetables offered are Monday to Friday, Saturday, Sunday or night.

Please, consult bus time tables and ticket price on the company web as the time table varies depending on week day and season:
<https://www.busgarraf.cat/en/horaris/>

Taxi

The client can take a taxi from the airport to Sitges. Taxis are located in front of the terminals. The approximate price is between 65-70.- €.

To get from Sitges city center to Hotel Playa Golf for check-in:

Public Bus

Once you get to Sitges city center by train or bus, you can take a public bus line L2 with destination Terramar to get to the Hotel Playa Golf for check-in. The bus stop is on the right hand side when exit from the train station. Please, find the exact location following the link:

<https://www.google.es/maps/place/Sitges/@41.2390671,1.8096937,15z/data=!4m5!3m4!1s0x0:0xbbe57086c84e237e!8m2!3d41.2390671!4d1.8096937>



The L2 bus time table is the following:

Weekdays from 06:45am till 8:45pm every 30 mins

Weekends and holidays from 08:45am till 08:45pm every 30 mins

The bus departs from Sitges railway station stop every hour at xx:15 min and xx:45 min.

You can pay in cash directly in the bus. Approximate price is €1.50 per way, subject to update annually. Bear in mind that the driver usually accepts only the bills up to €10.00.

Another way of payment is T-10 ticket previously mentioned, in this case 1 zone ticket is enough to move through the city. You can buy T-10 ticket for 1 zone at the railway station.

When hop off from the bus you only have to walk about 3 mins (260m/853ft) to get to the Hotel Playa Golf & SPA.

Taxi



Public taxi stop is located on the right hand side when exit from the train station or another one, just 25m away from MonBus stop "Parc Can Robert".

The approximate price for taxi from city center to Hotel Playa Golf is €8-€9 + luggage supplement. At night time there is an additional supplement of €2.

TO GET FROM THE SANTS STATION TO SITGES YOU CAN CHOOSE FROM THE FOLLOWING TRANSPORT SERVICE

Train + Public Bus (Sitges)



Spanish railway company Renfe www.renfe.es offers its services from the Sants Station to Sitges.

In Sants Station you can take the train R2S - Direction - Sant Vicenç De Calders, with stop in Sitges village.

For further information about time tables and seasonal changes, please visit railway company web: www.renfe.es

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Taxi

The client can take a taxi from the Sants Station to Sitges. Taxis are located in front of the Station. The approximate price is between 60-65 €.



REQUIREMENTS FOR TRAVEL TO SPAIN

Learn about all the requirements before, during and after your trip to Spain.

To protect your health, the Government of Spain has implemented a series of measures to protect the general public's health, including health control of passengers upon arrival in Spain.

<https://www.spth.gob.es/>