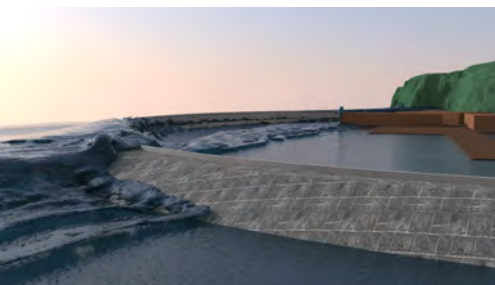


# Coastlab 2018 Proposa



# WELCOME LETTER

**Dear members of the Coastal and Maritime Hydraulics (CMH) Committee of the International Association for Hydro-Environment Engineering and Research (IAHR)**



It is with great pleasure that we submit this proposal to host the Coastlab18 Conference in Santander, Spain.

Coastal and port engineering is a discipline of fundamental importance to Spain as most of the country is surrounded by water. Spain has around 10000 km of coast containing different landscapes as countless bays and coves, and most have sandy beaches. The large variety of shapes to be found along the Spanish coast enriches the natural diversity of our coast. Over the last decades, a sustainable coastal development plan is being developed in the Spanish coast not only to preserve the coastal ecosystems but also to get a major contribution to the nation's gross domestic product linked to a sustainable tourism.

The industrial and social development in Spain has been linked to the coast all along its history. Ports and coastal defenses are vital to our government for the maintenance of trade and economic development and they are an important link as part of the transport chain. In order to guarantee the sustainable development of the sector, private investments represent a core element; nevertheless, to attract them, more convenient conditions have to be created. The improvement of existing or the construction of new infrastructures is a key aspect to guarantee a high level of competitiveness to promote new investments. This aspect is present in the investment plans for Spanish harbors. In the last 5 years, 71% of the total investment in the Spanish Harbor Authorities has been devoted to infrastructures, and 35% of that amount being new infrastructures.

The raising concern about environmental aspects and the necessity to create more efficient and optimized infrastructures have motivated a change of paradigm in the design of coastal structures. Traditional methods have been modified by more complex methodologies, which actually

demand many resources, increasing designing costs. Moreover, standard typologies of coastal structures have been modified for more efficient and environmentally sustainable designs, demanding a deeper knowledge of the physical processes involved.

Although the use of numerical models has been successfully introduced in design, its use has not been generalized due to the high computational cost, which exceeds the admissible productive ratios. Therefore, physical modeling is still the most relevant approach to accomplish complex designs for the recent construction of an important number of large facilities. The necessity of reducing scale effects to reduce design uncertainties has been the main inspiration. However, the introduction of multiple physics during the experiments, such as waves, wind and current in addition to the demand of new ad hoc measuring techniques present new challenges. In addition, the need for using more nature-friendly designs for coastal protection opens a new field in physical experimentation in coastal engineering, which include the use of life plants or surrogates, which will be a new challenge in the near future.

IHCantabria, host institution candidate for Coastlab18, is a very active institution in the Coastal and Port Engineering field. With more than 30 years of experience, gather a group of 140 scientist and technicians with the objectives of improving our understanding of the coastal environment. The development of strategies for coastal and port management is within the portfolio of activities carried out in IHCantabria. In addition but not less important, IHCantabria hosts the wave basin called Cantabria Coastal and Ocean Basin (CCOB). CCOB is an ICTS (Singular Scientific and Technological Infrastructure) included in the Spanish National Roadmap for Spanish Research Large-Scale Infrastructures.

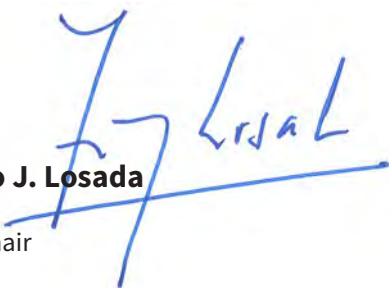


IHCantabria performs physical model testing to address topics related to the generation and propagation of waves, wave-wave interaction and wave-structure, stability and behavior of coastal protection structures, breakwaters and marine structures, behavior of floating structures and device testing marine energy generation. The capacities of the facilities, the experience of the team members and the use of software-numerical modeling and advanced instrumentation, allows basic research on the behavior of fluids, structures and devices, calibration and validation of all kinds of numerical models and the testing of specific design and optimization of structures and models used in the marine environment. In addition, the use of the facility is linked to industry through the collaboration of IHCantabria in the development of projects by performing large-scale physical tests for different companies worldwide.

Coastlab18 will provide a stimulating and enriching forum to discuss the latest developments in physical modeling applied to coastal and port engineering and in new trends coastal science.

We look forward to collaborating with the CMH Committee of IAHR by hosting a successful Coastlab18 here in Santander.

Yours Sincerely

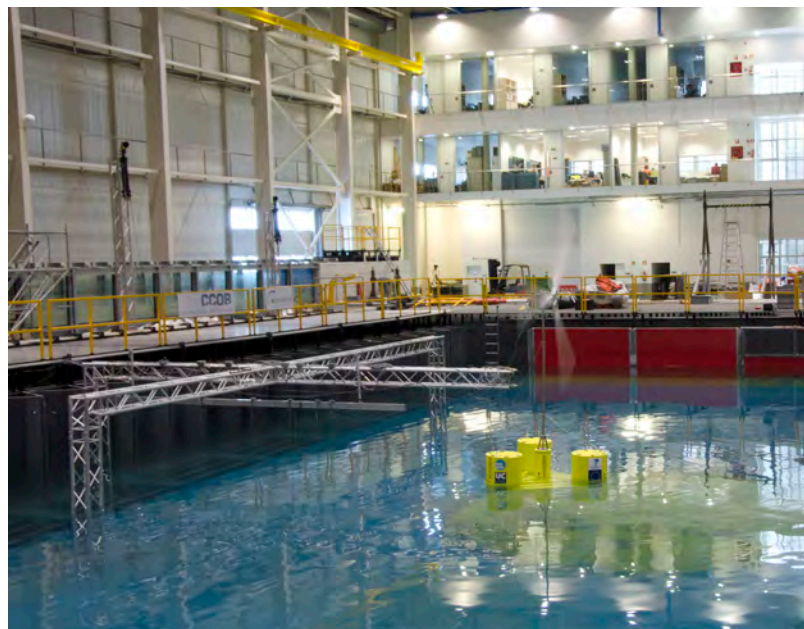
  
**Inigo J. Losada**  
Co-Chair  
*Director of Research at IHCantabria*

  
**Javier L. Lara**  
Co-Chair  
*Head of the Hydrodynamics and Coastal Infrastructure Group at IHCantabria*

# Conference TOPICS

**CoastLab18** will provide an interesting forum to discuss the latest developments in physical modeling applied to coastal and port engineering and coastal science. Papers that describe new research, technical innovation and interesting real-world case studies and projects will be included in the following topics:

- ✓ Coastal hydrodynamics, coastal processes.
- ✓ Sediment transport, erosion, sedimentation, scour.
- ✓ Coastal flooding, flood prevention, shore protection.
- ✓ Coastal and ocean structures, breakwaters, revetments.
- ✓ Wave-structure interactions, loading, response.
- ✓ Wave runup and overtopping.
- ✓ Industrial outfalls, mixing, water quality.
- ✓ Ports, marine terminals, navigation, ship motions.
- ✓ Wave and tidal energy.
- ✓ Laboratory technologies, measurement systems.
- ✓ Wave synthesis, generation and analysis.
- ✓ Scale effects and uncertainty analysis.
- ✓ Combined physical and numerical modelling.
- ✓ Extreme events – assessment and mitigation.
- ✓ Tsunami hydrodynamics, impacts and mitigation.
- ✓ Climate change impacts, adaptation, mitigation.
- ✓ Physical modelling case studies.
- ✓ Coastal field measurement and monitoring.
- ✓ Natural based solutions and eco-engineering.



# OBJECTIVES

The organizing committee has prepared this proposal to host Coastlab18 Conference with the following objectives:

- *To increase the link between industry and the academia in the field of experimental modeling.*
- *To engage industry professionals from Coastal and Port Engineering and Marine Energy sector to be part of the Coastlab community.*
- *To attract new people from Latin America for the Coastlab network, especially young researchers and institutions from emerging coastal and port laboratories.*

IHCantabria has a strong interaction with industry worldwide by means of R&D projects. We have carried out close collaboration with construction companies from the Coastal and Port sector. In the last years, that close interaction has also been extended to the marine energy sector. We will take the advantage of such interaction in order to promote the participation of industry in the Conference by means of technical talks and sponsorship programs. Academy and industry professionals will get a mutual benefit from their interaction during the conference.

We are aware of the construction of new laboratories in the last years in Latin American universities and research institutions, revealing the increasing interest on experimental modeling in that area. We find Coastlab18 a great opportunity for incorporating such institutions to the Coastlab network. IHCantabria will also take advantage of the extensive Latin American network and agreements signed between the Universidad de Cantabria and the Latin American Institutions to attract people from Latin America. We will also make use of several programs from the Ministry of Foreign Affairs and Spanish Cooperation Programs to assist delegates from Latin America, especially young researchers, to attend Coastlab2018.





# CONFERENCE AT A GLANCE







## CONFERENCE DATES AND LOCATION

### DATE

Wednesday 6<sup>th</sup> to Friday 8<sup>th</sup> June 2018.

Pre-conference short courses will be hosted at Tuesday 5<sup>th</sup> June 2018.

### VENUE

Palacio de la Magdalena (Santander, Spain). It is the same venue as the one used to host Coastal Structures `99 Conference (ASCE).

### HOST CITY

The conference will be held in Santander, located in the north coast of Spain. It is a modern and cosmopolitan city with a rich historical past. Santander's bay is considered one of the most beautiful bays in the world.

Santander experiences temperatures ranging from 14°C - 22°C (56°F-72°F) during the conference period. The local committee would consider an earlier date if requested by CMH Committee of IAHR.

### CONFERENCE BANQUET AND RECEPTION

A welcome reception will be held on the evening of Tuesday June 5<sup>th</sup> at the Magdalena Palace.

A farewell Banquet will be held at the La Magdalena Royal Tennis Club on Friday 8<sup>th</sup>.

*Palacio de la Magdalena  
Santander*

# VENUE AND HOST CITY



The Palace of La Magdalena will be the venue for Coastlab18. It is the most emblematic building of the city of Santander and one of the most prominent examples of civil architecture in northern Spain. With a majestic landscape, it is located at the highest point of the Peninsula bearing the same name. Its construction, between 1908 and 1912, following the plans of Gonzalo Bringas and Javier González de Riancho, resulted from a municipal initiative: the Town Council wanted to present Kings Alfonso XIII and Victoria Eugenia with a summer residence to consolidate the summer tradition that was taking root in the city and its province. The monarchs and their children spent their summers between 1913 and 1930 in Cantabria.

Magdalena Palace offers a perfect combination of tradition and modernity, its monumental appearance contrasts with the updated facilities used for university courses during the summer and for the celebration of great events throughout the year. Since its restoration in 1995, Magdalena Palace has held very important meetings such as the Spanish-French summit and the meeting of Tourism Ministers from the EU. It was the venue for the Coastal Structures'99 Conference.

## **“The Palace of La Magdalena offers a perfect combination of tradition and modernity”**

The Magdalena Palace facilities include an Auditorium, which can hold 324 people, to be used for plenary sessions. In addition, three additional rooms with capacity for 80 people and two for 52 people respectively, will be available for parallel sessions, in case that the number of participants demand several rooms. Four parallel sessions could be hosted if needed. An area will be also available for companies and organizations to participate in the Coastlab18 exhibition.



LA MAGDALENA AUDITORIUM





Pre-conference courses to happen on Tuesday 5<sup>th</sup> June 2018 will be held at the IHCantabria headquarters located at the Cantabrian Technological park. IHCantabria auditorium, with a capacity for 175 people will be used. Free of charge transport will be available to transport course participants to go from the hotels to IHCantabria facilities. Buses will also carry participants to the reception cocktail in the Magdalena Palace after the courses.



IHCANTABRIA AUDITORIUM

## SANTANDER

Santander is a wonderful city located in the north of Spain. The northern regions of Spain are often the less spoiled by tourism and also less known to foreign visitors, but the north of Spain keeps some of the jewels of the country: amazing landscapes and charming beaches, friendly people and nature preserves.

An elegant city, which extends over a wide bay with views of the Cantabrian Sea. Its historic quarter includes a group of majestic buildings, which are located against an incredible natural backdrop of sea and mountains.

Its marine and commercial tradition is linked to a century old history of tourism, which has its main attractions in the famous beach “El Sardinero”, the promenade and the La Magdalena peninsula. We could say that Santander is between the blue and the green. The cultural wealth of the Cantabrian capital is enriched with the passage of the Pilgrim’s Road to Santiago de Compostela and the neighbouring Altamira Caves, both of which have been declared World Heritage.



**“Santander is without a doubt one of the most elegant and beautiful cities on the northern coast of Spain”**



# OUTLINE CONFERENCE PROGRAM

The conference will start on Tuesday, June 5<sup>th</sup>. Technical sessions will be held between Wednesday, June 6<sup>th</sup> and Friday, June 8<sup>th</sup>. Technical tours will take place on Saturday, June 9<sup>th</sup>.

The conference will open with a one-day graduate-level short course in IH-Cantabria headquarters. It will be featuring guest lecturers focusing on recent developments and innovations on experimental modeling. The short course will be divided in two sessions. Morning sessions will focus on new trends in wave generation and absorption and measuring techniques. Afternoon sessions will be devoted to best practices to perform new generation laboratory experiments. Both sessions will be oriented to PhD students and young researchers with the aim of increasing their capabilities on experimental modeling. Lectures will be devoted to ocean energy, nature based solutions and experimental tests on large infrastructures. The following table contains information about topics to be covered in the short course and potential speakers. We have already contacted some of them to participate in the short course.

	TIME	TOPIC	POTENTIAL SPEAKER	AFFILIATION
<b>Wave Generation</b>	9:00 – 9:15	Opening		
	9:15 – 10:00	Three-dimensional wave generation and absorption in wave basins	Thomas Lykke Andersen	Aalborg University
	10:00 – 10:30	Large scale wavemakers: best practices for designing, manufacturing and installation	Andres Vazquez	Technical director. VTI engineering
	10:30 – 11:00	Coffee Break		
<b>Advances techniques in laboratory measurements</b>	11:00 – 11:45	Composite Modeling: combining the use of laboratory and numerical modeling	Javier L. Lara	IHCantabria. Head of Coastal Hydrodynamics and infrastructures Group
	11:45 – 12:15	New measuring techniques: non-intrusive gauges	Alvaro Alvarez	IHCantabria. Head Hydraulic Laboratory
	12:15 – 13:00	Video imagery techniques for wave overtopping measurements	Rafael Molina	Technical University of Madrid. Director of Ports Laboratory
	13:00 – 14:15	Lunch		
<b>Best Practices</b>	14:15 – 15:00	Best practices in marine energy experiments	Raul Guanche	IHCantabria. Head of the Offshore and Renewable Energy group
	15:00 – 15:45	Best practices in experiments with real vegetation	Bregje K.Wesenbeeck	Deltares
	15:45 – 16:30	Best practices in the use large scale facilities: Hydralab experience	Peter Wellens	Deltares
	16:30 – 17:00	Discussion and closing		





Technical sessions will be hosted in the Palace of La Magdalena combined with keynote lectures. Keynote lectures will last 40 minutes and regular technical presentations 15 minutes with 5 minutes for questions.

	DAY 1	DAY 2	DAY 3	DAY 4	DAY 5
	June 5 <sup>th</sup> , Tuesday	June 6 <sup>th</sup> , Wednesday	June 7 <sup>th</sup> , Thursday	June 8 <sup>th</sup> , Friday	June 9 <sup>th</sup> , Saturday
8:00 - 9:00		Registration / Exhibition	Registration / Exhibition	Registration / Exhibition	
9:00 - 9:40	<b>Coastlab18</b>	Opening and Keynote Lecture 1	Keynote Lecture 3	Keynote Lecture 5	
9:40 - 10:30			Technical Sessions	Technical Sessions	
10:30 - 11:00	<b>short course</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	<b>Technical Tours</b>
11:00 - 13:00		TECHNICAL SESSIONS	TECHNICAL SESSIONS	TECHNICAL SESSIONS	
13:00 - 14:00	Lunch				
14:00 - 15:30		Keynote Lecture 2	Keynote Lecture 4	Keynote Lecture 6	
15:30 - 16:00	<b>Coastlab18</b>	<b>Break</b>	<b>Break</b>	<b>Break</b>	
16:00 - 17:20	<b>short course</b>	Technical Sessions	Technical Tour: Visit to IHCantabria experimental facilities	Technical Sessions	
17:20 - 17:40	Closing Remarks				

**Coastlab18**  
Welcome Reception  
cocktail at  
Magdalena Palace  
19:30 – 21:30

**Coastlab18**  
Cocktail at  
Santander Casino  
20:00 – 22:00

**Official Dinner from**  
the organizing  
committee with  
CHM committee  
20:30 – 22:30

**Banquet at La**  
Magdalena Royal  
Tennis Club  
20:30 – 22:30

Leading experts will share their expertise during 6 keynote lectures in the application of physical modeling to port, coastal engineering and ocean energy. The organizing committee will propose keynote lectures among demonstrated experience professionals and researchers in the field of experimental coastal and port engineering. We propose to invite the following speakers covering different topics, gathering a group of people from industry and the academy:

- ✔ Probabilistic design of coastal structures: Miguel A. Losada, University of Granada.
- ✔ The use of laboratory experiments in coastal engineering projects: Francisco Esteban, R&D Director at Fomento de Construcciones y Contratas, R&D.
- ✔ Surf zone hydrodynamics: Tony Darlymple, John Hopkins University.
- ✔ Climate change and coastal protection: Inigo J. Losada, IHCantabria, Universidad de Cantabria.
- ✔ The use of laboratory experiments in offshore engineering projects. (TBD)
- ✔ Sediment transport. Gerd Masselink, University of Plymouth.

The organizing committee in collaboration with the CMH Committee will select the final potential speakers for the short course sessions and keynote lectures

# Host INSTITUTION



The Environmental Hydraulics Institute of Cantabria “IHCantabria” is a joint research center, part of the Universidad de Cantabria that carries out research, knowledge transfer and training of specialists in the fields of continental and marine waters. This work has allowed IHCantabria to be at the forefront of national and international organizations working in the water cycle in its various facets. IHCantabria has 150 staff.

Regarding experimental modeling, IHCantabria has more than 30 years of experience on the field. It has evolved from a research laboratory at the University to host at the present the Cantabria Coastal and Ocean Basin (CCOB), which is part of the Scientific Infrastructure-Singular Centers program of the Spanish Ministry of Science and Innovation. CCOB gathers a 40 m x 33 m x 4.5 m offshore wave basin, a 25 m x 8 m shallow water wave basin, a 68 m x 2 m wave flume and a 70 m x 2 m tsunami wave basin. CCOB has been funded by the Ministry of Science and Innovation as well as the Government of Cantabria and is managed by IHCantabria. Its primary mission is to provide scientific and technological knowledge, technology and services for the development of marine engineering (offshore and coastal) both in Spain and abroad. The conceptual design CCOB is composed of three systems: an experimental management system, a physical modeling system and a numerical modeling system. Cutting edge experimental techniques and numerical models are put at the service of an integrated modeling to go further than traditional procedures used in maritime engineering modeling.

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The Cantabria Government, the city of Santander and Universidad de Cantabria will provide part of the financial support to host Coastlab18. The conference has been tailored to be self-supported by the registration and exhibition fees.

It is envisaged that the significant savings that this funding and others from several programs from the Ministry of Foreign Affairs and Spanish Cooperation Programs could be used by the organizing committee to assist delegates from Latin America, especially young researchers, to attend Coastlab2018.

A sponsorship program to attract private companies and local and national administration will be carried out to assure a high quality conference and low registration fees.

The Environmental Hydraulic Institute Foundation will provide financial support to promote a high attendance especially from Latin America. IHCantabria will take advantage of the extensive Latin America network and agreements signed between the Universidad de Cantabria and the Latin America Institutions.

# FINANCIAL SUPPORT





The following people have been nominated as members of the Local Organizing Committee due to their knowledge, experience and relationships in the field of coastal engineering, in addition to their extensive experience with conference organization:

**Iñigo Losada** is a Coastal Engineering Professor affiliated with the School of Civil Engineering of the Universidad de Cantabria in Spain. Currently he is also Director of Research of the Environmental Hydraulics Institute of Cantabria “IHCantabria” where he served as founding Director from 2007-2011. Prof. Losada holds a PhD from the Universidad de Cantabria and a PhD from the University of Delaware where he held a Research Assistant position in the Center for Applied Coastal Research. His research interests have been mostly devoted to wave modeling with special emphasis on wave and structure interaction, met-ocean climate and over the last decade climate change and marine renewable energy, combining field data analysis and both numerical and physical modeling. Losada has co-authored over 150 publications and edited the Coastal Structures Proceedings in 1999. From 2010-2014 he has been Coordinating Leading Author of the IPCC 5th Assessment Report on Climate Change. In 2012 he chaired the ASCE International Coastal Engineering Conference and became a member of the ASCE Coastal Engineering Research Council in 2014. He is Editor-in-Chief of Coastal Engineering and of FRONTIERS in Ocean Engineering, Technology and Solutions for the Blue Economy since 2014 and Scientific Director of the Cantabria Coastal and Ocean Basin.



**Javier López Lara** is professor at the Universidad de Cantabria, in the Hydraulic Engineering Department. He is responsible for the Group Hydrodynamics and Coastal Infrastructures to IHCantabria. Javier is Civil Engineer by the Universidad de Cantabria in 1998 and PhD in 2002. Having held various positions working as a researcher at the Universidad de Cantabria and Cornell University (USA), he was awarded a “Ramón y Cajal Position” (2008-2012) in the Department of Science and Technology of Water at the Universidad de Cantabria (UC). Javier has developed his research in the field of hydrodynamic waves, also specializing in property in the process of breaking waves as wave-structures interactions, using both experimental and numerical methods, the latter being mainly focused on the CFD codes. In recent years, it has expanded its research to environmental flows, hydrodynamics of aquatic ecosystems and hydraulics. Through his research, he has been awarded the Modesto Viguera Prize in 2004, awarded by the Technical Association of Ports and Coastal Areas; Spanish of the International Association of Ports (PIANC) and the International Award “Paepe-Willems” research (PIANC), in 2005, awarded by the International Association of Ports (PIACN) section.



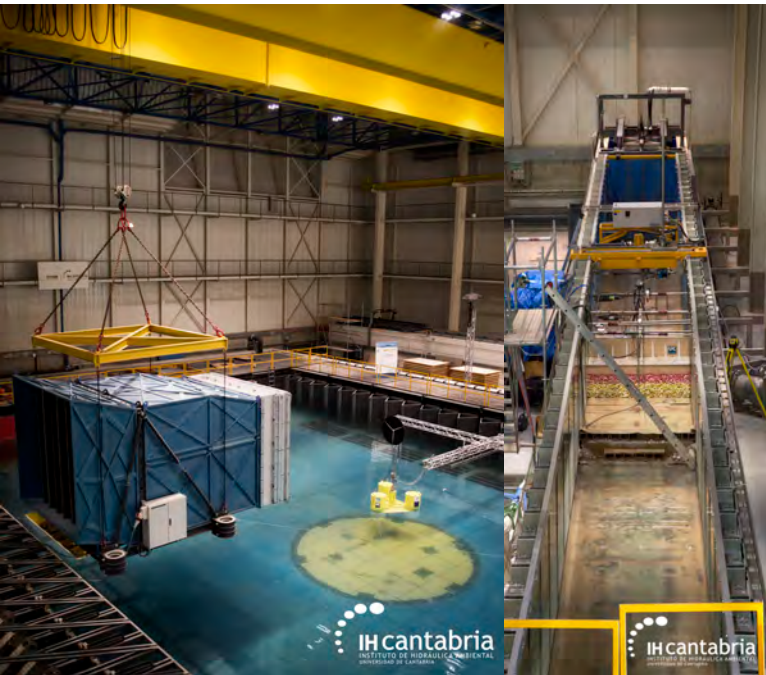
## CONFERENCE COMMITTEE

### LOCAL ORGANIZING COMMITTEE MEMBERS

- ⚙ Raúl Medina, IHCantabria
- ⚙ Álvaro Álvarez, IHCantabria
- ⚙ César Vidal, IHCantabria
- ⚙ Raúl Guanche, IHCantabria
- ⚙ Gabriel Díaz, IHCantabria
- ⚙ María Maza, IHCantabria
- ⚙ Mauricio González, IHCantabria



# TECHNICAL TOURS



A technical tour to visit the Cantabria Coastal and Ocean Basin (CCOB) will be held on Thursday 7<sup>th</sup> June 2018. Buses will carry Coastlab18 participants from the venue to the IHCantabria experimental facilities.

Buses will return participants to their hotels after the visit.

Post-conference technical tours are planned to be carried out on Saturday 10<sup>th</sup> June 2018 on demand. The Santander area and nearby region are well placed to provide a range of well-organized, informative and enjoyable technical tours. The organizing committee in collaboration with the CMH Committee will select the suite of technical tours to be offered.





# ACCOMPANYING PERSONS PROGRAM



An accompanying persons program will be organized.

Santander and surrounding area include a very interesting offer for tourism. Its marine and commercial tradition is linked to a century old history of tourism. The cultural wealth of the Cantabrian capital is enriched with the passage of the Pilgrim's Road to Santiago de Compostela and the neighboring Altamira Prehistoric Caves, both of which have been declared World Heritage.

Outstanding places near Santander in the region of Cantabria are: the Altamira caves with prehistoric paintings, the park of Cabarceno, the charming village of Santillana del Mar, Comillas with its University or Suances, famous for its beaches or a very rich on heritage fishermen village called San Vicente de la Barquera, or El Soplao, a mining cave with high geological value, among others.





# ACCOMMODATION



Santander has a very broad offer for hotel rooms, with approximately half located in the city center within walking distance or a short taxi ride to the conference venues and tourist attractions. Average room rates are provided below in euros (€):



## SARDINERO AREA

walking distance from the conference venue

	DUI	DOUBLE
Hotel REAL *****	130,00 €	160,00€
Hotel SANTEMAR ****	85,00 €	100,00 €
Gran Hotel VICTORIA ****	88,00 €	99,00 €
Hotel PALACIO DEL MAR ****	83,00 €	94,00 €
Hotel CHIQUI ***	88,00 €	120,00 €

## CITY CENTRE

by public bus to the conference

	DUI	DOUBLE
Hotel ABBA SANTANDER***	87,00 €	107,00 €
Hotel PICOS DE EUROPA**	40,00 €	56,00 €
Hostal LA MEXICANA*	38,00 €	59,00 €

**i** These prices are valid until June 2016. Breakfast included





# ACCESSIBILITY



## Ferry:

A ferry links Santander with Plymouth (United Kingdom) once a week in March and then twice a week from April onwards. It is recommended that you check the timetables and dates.

**BRITTANY FERRIES**, Orange bullet

Zona Marítima, s/n

Telephone +34 942 36 06 11 / +34 902 10 81 47

## Train:

Santander has two railway stations that correspond to two different railway companies (RENFE and FEVE) and they are located at opposite ends of the same building. RENFE connects Santander with Madrid and other places in Spain. This railway company has a radial track network, the centre of which is the capital of Spain.

**RENFE** Railway Station

Telephone +34 942 01 82 70 / +34 902 24 02 02

**FEVE** Railway Station

Telephone +34 942 21 16 87 / +34 942 20 95 22

## Car:

Those who prefer to drive to Santander can cross the border at Irún-Hendaya, taking the National Road 634, or the toll motorway A-8 to Bilbao, and then follow directions to Santander.

## By Air:

The airport, located 5 kilometers to the east of the city centre, has flights connecting Santander with Barcelona, Madrid, Gran Canaria, Seville, Valencia, Málaga, Alicante, Palma de Mallorca, London (Standsted) Rome (Ciampino), Frankfurt (Hahn), Liverpool and Edinburg. There is a permanent bus service, which connects Santander airport to the city centre bus station every 30 minutes. The bus ticket costs approximately 1.5 Euros.

Additionally, Bilbao Airport, located about 120 kms from Santander, operates international flights to and from the main European capitals. There are buses and trains to and from Bilbao Airport to the city centre, where there is a coach service to Santander.

SANTANDER AIRPORT	BILBAO AIRPORT	IBERIA (SPANISH AIRLINES)
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Tel: +34 942 20 21 00

Tel: +34 944 86 96 64

Tel: +34 902 40 05 00

## Bus Service:

There are coaches from the French border linking Irún with Santander several times a day. This is the easiest route for those who reach Hendaya by train.

There are also coaches that operate the routes to Paris, Brussels, London, Zurich and Geneva. The City Bus Service links The Universidad de Cantabria with the rest of the city.

**Santander Bus Station**

Telephone +34 942 21 19 95

## Travel Documentation

The documentation required to travel to Spain varies according to the country of origin. If you are a citizen of the EU, Switzerland, Norway, Iceland or Liechtenstein, you will need a valid passport or ID card. Additionally, in the case of a minor travelling with an ID document, this must be accompanied by written permission from the parents.

## Traveling from other countries:

The maximum stay in Spain is 90 days. There are a number of countries whose citizens are required to have a valid current visa in order to enter Spain. You can find a list of these countries. Citizens of these countries can also travel to Spain if they have a residence permit or a long-term visa issued by another country in the European Union (with the exception of the United Kingdom, Ireland, Romania, Bulgaria and Cyprus), Switzerland, Norway, Iceland and Lichtenstein.

Citizens of all other countries must be in possession of documents, which justify the object and the conditions of their stay, and be in possession of sufficient economic resources for their maintenance throughout the period they are intending to remain in Spain. The documents they are required to present will vary according to the motive of the trip. You can check these on the website of the Ministry of Foreign Affairs and Cooperation.

# IHCANTABRIA HOSTING EXPERIENCE

*Boasting a demonstrable, successful track record for attracting national and international events, IHCantabria has hosted some of the world's most relevant conferences in the coastal and port engineering field.*

*A table containing information about national and international conferences organized by IHCantabria is listed:*

OCEANS'11. IEEE OCEANIC ENGINEERING SOCIETY





# Proven track record and international conferences organized by IHCantabria

YEAR	CONFERENCE	LOCATION	DELEGATES	SCOPE
1999	Coastal Structures. ASCE	Santander	240	International
2006	I and II Foro Ciudad de Santander. Cities and their Quality of Life, Water and Environment. Universidad de Cantabria and Harvard University	Santander	100 each	International
2006	ENCORA First Thematic Workshop	Valencia	180	International
2007	Foro del Agua (Water Forum)	Madrid	80	International
2007	ICCD2007 International Conference on Coastal Dunes	Santander	250	International
2007	CoastGIS07	Santander	140	International
2009	Jornadas Españolas de Costas y Puertos (Spanish Conference on Port and Coastal Engineering)	Santander	800	National
2011	OCEANS'11. IEEE Oceanic Engineering Society	Santander	450	International
2012	33rd International Conference on Coastal Engineering. ASCE	Santander	900	International
2013	RCEM 2013, 8th Symposium on River, Coastal and Estuarine Morphodynamics. IAHR	Santander	350	International
2015	EVAN - International Conference on Advances in Extreme Value Analysis and Application to Natural Hazards	Santander	150	International





April 2016

# Coastlab 2018

IHCantabria  
proposal  
[www.ihcantabria.com](http://www.ihcantabria.com)