



5th International Conference on the Application of Physical Modelling to Port and Coastal Protection

Information Booklet

29 Sep 2014 – 02 Oct 2014

Varna, Bulgaria



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Arrival

The conference will be held in 5* Grand hotel Dimyat. Grand Hotel Dimyat is located in the heart of Varna next to the Sea Garden, 500 meters from the Varna Beach.



5* Grand Hotel Dimyat

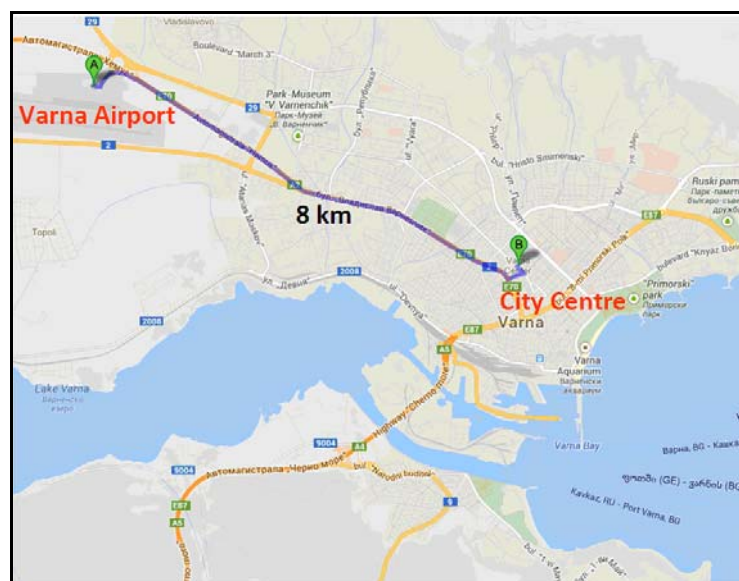
Climate

Varna has a humid subtropical climate, with considerable maritime and continental influences. The summer begins in early May and lasts till early October. Temperatures at the end of September usually vary between 15-18°C in the night and 24-30°C during the day. Seawater temperature is usually around 20-22 degrees.

Airport transfer to Varna

You will be arriving at Varna Airport (VAR), some 8 km outside the city centre.

There will be airport shuttle bus transfer to the conference hotels on 27, 28 and 29 September 2014



There is a public transport from the airport. The bus stop is in front of Terminal 2. Bus 409 operates every 15 minutes to Golden Sands via Varna city centre and Grand Hotel Dimyat (fare: BGN 1). Tickets can only be bought from the ticket collector.

The official tariff of the taxis is about 0.50 - 0.60 Euro/km. However, the tariff offered by some taxis at the airport may differ essentially from the official one - be careful and always ask in advance.

Currency

Bulgaria's currency is Lev (BGN), divided into 100 stotinki. The BGN is pegged to Euro at rate € 1.00 = BGN 1.95583

Foreign currency can be most recommendable exchanged in bank offices. Travelers are also strongly advised not to try exchange money out on the street. Best rates are offered for euros, US dollars and pounds sterling. Other currencies may be difficult to change.

ATM's are widespread in Bulgaria. Most ATM's accept VISA/Plus, Visa Electron, MasterCard/Cirrus, Maestro, American Express and Diners Club. Note that most banks limit the daily withdrawal to only 400 BGN. You can use your credit or debit card in Bulgaria with no problems. Mastercard, Maestro, Visa, Diners club are widely accepted in big stores, gas stations and restaurants.

City of Varna

The host city of Varna is a historic and at the same time, a modern city, the Capital of Black Sea, the Black Sea "Riviera".

Varna is a major tourist destination, business and university centre, seaport, cultural centre, and headquarters of the Bulgarian Navy and merchant marine.

The neighboring resorts "St. St. Constantine and Helena" and "Golden Sands" are widely considered as some of the most beautiful seaside resorts at the Black Sea coast due to their modern architecture, tranquility, mild climate, sun, fresh air and clear sea water.

The air temperature at the end of September and beginning of October in Varna ranges within 20°-25°C.

Varna Academia & Research

Varna is home to a total of 2,500 faculty and researchers, and over 30,000 students. Local universities are: • University of Economics; • Naval Academy (NAVY); • Technical University; • Medical University; • Varna Free University.

Research institutes under the Bulgarian Academy of Sciences: • Institute of oceanology; • Institute of fisheries; • Centre of hydro - and aerodynamics; • Institute of metal science.

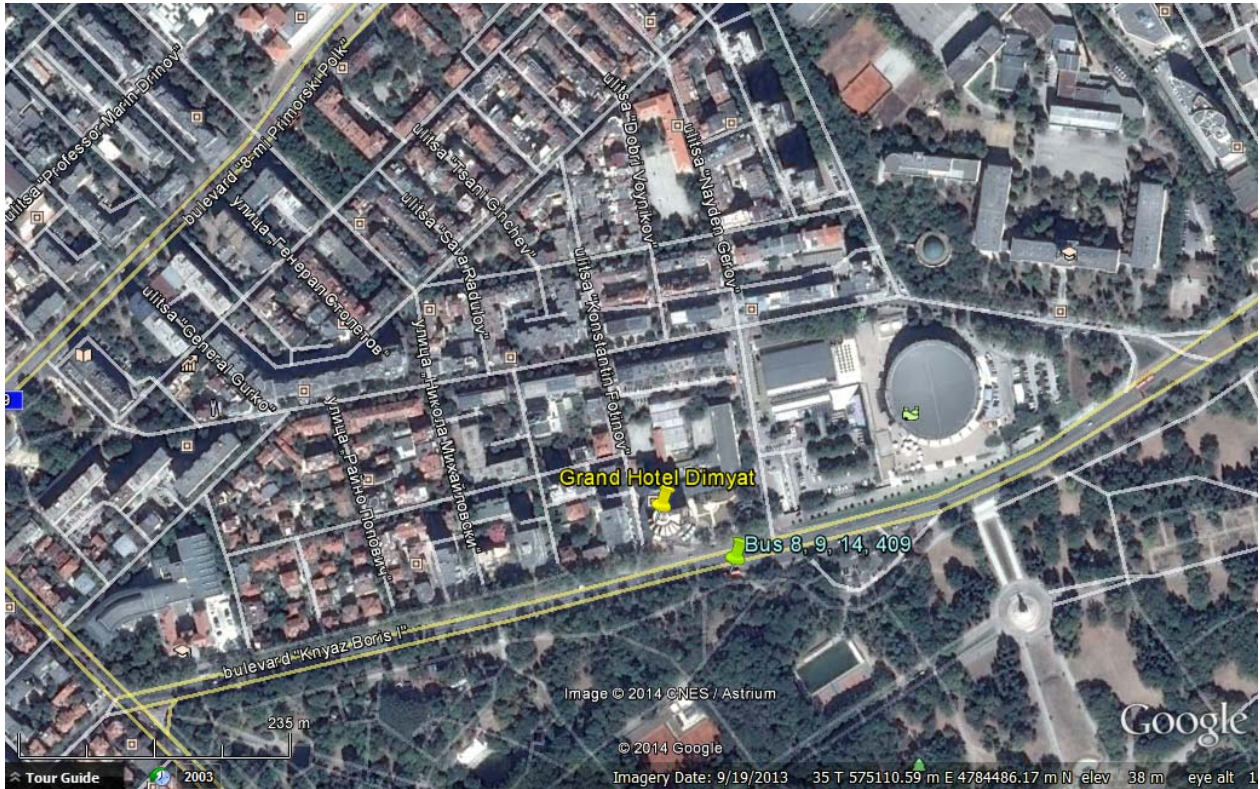
The Black Sea Danube Coastal Research Association (BDCA) is an independent non-profit research organisation - a grouping of universities, research bodies, engineering & consultancy, and individuals engaged in research, training, engineering and advisory activities in coastal protection, harbour and coastal structures, and environmental protection on the western Black sea coast and lower Danube. The mission of BDCA is to strengthen the links between research and business, through the implementation of scientific research with a direct focus on industry.

Conference Venue : Grand Hotel Dimyat

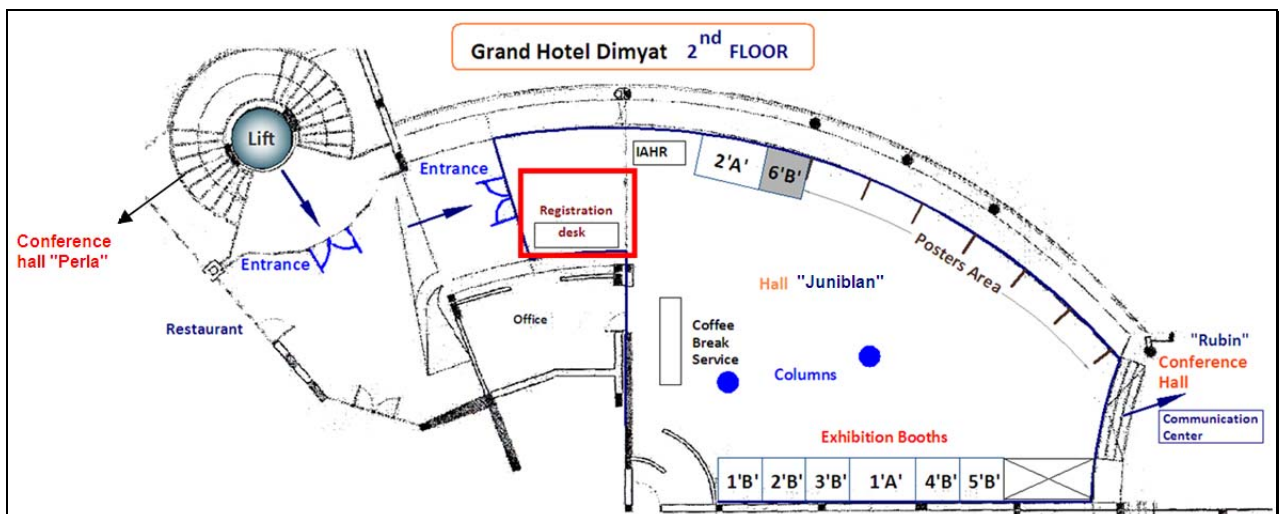
Address :

Knyaz Boris 1 Blvd 111, 9002 Varna (Бул. Княз Борис 1 , № 111, 9002 Варна)

Here is a map how you can reach the conference venue Grand Hotel Dimyat:



Technical sessions will be carried out in Hall "Rubin" and Hall "Perla" on the 2nd level of the hotel. There will be visible signs guiding you to the conference halls. Exhibition booths will be located at hall "Uniblan" where the coffee breaks will also be served (in front of the main conference hall "Rubin").



Internet/computer access

Free Wi-Fi internet connection will be available at all conference premises (in case of problems please contact Registration desk).

Onsite registration/information desk opening hours

Please register and collect your conference documents at the registration desk, located on the 2nd level of Grand Hotel Dimyat, in front of the Conference rooms "Uniblan". No conference material will be sent beforehand.

Conference Technical Secretariat and Communication Center will be available during all working hours of the conference.

Oral presentations

Please check the detailed Technical Programme, available in pdf format on the Coastlab14 website within "[Topics & Programme](#)" panel of <http://coastlab14.com/>), for the date, time and conference hall of all oral presentations.

Presentations must be in Powerpoint or pdf format. Please ensure that your presentation is delivered to the **Communication Center** not later than 2 hours before the start of your presentation. Your presentation file will be ready and installed for you in your session room.

Speakers must upload their presentation in advance. Given the very short changeover time between presentations, speakers cannot connect their laptops to the projectors in the meeting room.

You should be at the room where your presentation is scheduled at least 10 minutes before the start of the technical session and introduce yourself to the session chairman.

The time slot for each presentation is 20 minutes., which is allocated as a 16-min talk, with the remaining 4 min time for questions and answers. Kindly please keep to the allotted time to ensure the parallel sessions are truly parallel.

Poster session

The format of the posters is **A0: 841 × 1189 mm** (poster set-up: portrait).

The board which has been assigned to you will be labeled with your poster number.

The poster material must be large enough to be viewed from a distance of 100 cm. Format style should be at least **10 mm** high for good visibility.

Each poster must have a top banner indicating the title of the paper and the names of the author(s). The characters in the banner must be at least **2.5 cm** high.

Figures and graphs should be simple **with bold lines**.

Technical staff will help you to fix your poster on the poster board.

Posters can be handed during the conference registration to the technical staff in the Communication Center. Do not mail poster presentations in advance: bring them with you.

You should be at the hall where the poster session is organized at least 15 minutes before the start of the poster session!

All presentations and posters must be in English.

Lunch breaks

Lunches will be served at the main restaurant of Grand Hotel Dimyat on the second floor.

Coffee breaks

Coffee breaks service will be organised in the hall "Uniblan", located at the second floor of the conference venue

Exhibition

Exhibition booths will be located at hall "Uniblan" where the coffee breaks will also be served.

The exhibition will be open from 9:00 on 30 September until 12:00 on 2 October 2014.

Social Events

Social events are organised for the registered participants to the conference.

Conference Welcome Party

Conference Welcome Party will take place at Panorama Bar of Grand Hotel Dimyat, 13th floor, on Monday 29th of September 2014, from 19:00 o'clock. Dress code is not required.

Conference banquet

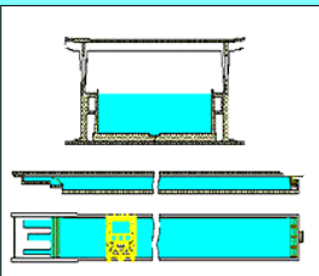
Conference banquet is on 2nd October 2014 at Sea Garden restaurant "Horizont", from 19:30 (the group will be delivered there by busses).

Conference banquet ticket for students and accompanying persons can be obtained at the Registration Desk.

Study tour

Study tour will include visit to the laboratory facilities of the Center for Hydro- and Aerodynamics to the Bulgarian Academy of Sciences: deep water towig tank, shallow water towing tank, seakeeping wave basin, cavitation tunnel, and other.

<http://bshc.bg/structure/facilities.htm>

Deep Water Towing Tank																			
	<table border="1"> <thead> <tr> <th>Dimensions:</th> <th>Other parameters:</th> </tr> </thead> <tbody> <tr> <td>Length - 200m</td> <td>Max. carriage speed - 6 m/s</td> </tr> <tr> <td>Width - 16m</td> <td>Wave maker - regular and irregular waves</td> </tr> <tr> <td>Depth - 6.5m</td> <td>Wave length 1-12m</td> </tr> <tr> <td></td> <td>Wave height 0.1 - 0.4m</td> </tr> <tr> <td></td> <td>Wave steepness 1/20</td> </tr> <tr> <td></td> <td>Ship models</td> </tr> <tr> <td></td> <td>Max. length - 12m</td> </tr> <tr> <td></td> <td>Max. weight - 12t</td> </tr> </tbody> </table>	Dimensions:	Other parameters:	Length - 200m	Max. carriage speed - 6 m/s	Width - 16m	Wave maker - regular and irregular waves	Depth - 6.5m	Wave length 1-12m		Wave height 0.1 - 0.4m		Wave steepness 1/20		Ship models		Max. length - 12m		Max. weight - 12t
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(Transport will be organised to the laboratory).

Tall ship “Kaliakra” cruise

The cruise on Tall ship ‘Kaliakra’ will take place on 2 October from 16:00 to 18:30 (immediately after study tour, and before conference banquet). Departure is from Passenger Terminal of Port of Varna (the group will be delivered there by busses).

[http://en.wikipedia.org/wiki/Kaliakra_\(ship\)](http://en.wikipedia.org/wiki/Kaliakra_(ship))

Do not miss this unique opportunity to be onboard on one of the most beautiful tall ships, and have memories for life !

Post conference tours (03 – 04 Oct 2014)

Post conference tours (as well as excursions for accompanying persons) can be organized upon request. There are some minimum number of participants, to organize these excursions.

Example excursions are:

- 1) Half a day excursions:
 - a) visit to Aladja Rocky Monastery
 - b) visit to Vana Dolphinarium (including attendance of a performance).
- 2) One day excursions
 - Ancient Town Nesebar (8 hours) <http://en.wikipedia.org/wiki/Nesebar>;
- 3) Two days excursion:
 - Istanbul, Turkey

<http://www.theguardian.com/travel/2011/sep/14/10-best-sights-istanbul-city-guide>

For more details please contact Coastlab14 travel guide at the registration desk.

Conference Technical Secretariat:

Black Sea Danube Coastal Research Association

address: Business Incubator - Varna

kv. Asparuhovo, P.O. Box 87,

Varna 9003, Bulgaria

tel: +359 52 383 713 /fax: +359 52 383 719

e-mail: info@Coastlab14.com

Conference block programme

You can download detailed programme at the conference website <http://coastlab14.com/>

MONDAY, SEPTEMBER 29 TH , 2014					
09:00 - 18:00	PhD Master Class				
14:00 - 19:00	Exhibition open				
16:00 - 19:00	<i>On Site Registration</i>				
19:00 - 21:00	Welcome reception, Panorama Bar, Grand Hotel 'Dimyat'				
TUESDAY, SEPTEMBER 30 TH , 2014					
08:00 - 09:00	<i>On Site Registration</i>				
09:00 - 09:30	Conference Opening Ceremony				
09:30 - 10:00	<u>Keynote1</u>				
10:00 - 10:30	<u>Keynote2</u>				
10:30 - 10:50	Exhibition & Coffee break				
10:50 - 12:30	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Hall "Rubin"</td> <td style="width:50%; text-align: center;">Hall "Perla"</td> </tr> <tr> <td style="text-align: center;">COASTAL STRUCTURES. BREAKWATERS (1)</td> <td style="text-align: center;">PHYSICAL MODELLING. MEASURING TECHNIQUES AND INSTRUMENTATION (1)</td> </tr> </table>	Hall "Rubin"	Hall "Perla"	COASTAL STRUCTURES. BREAKWATERS (1)	PHYSICAL MODELLING. MEASURING TECHNIQUES AND INSTRUMENTATION (1)
Hall "Rubin"	Hall "Perla"				
COASTAL STRUCTURES. BREAKWATERS (1)	PHYSICAL MODELLING. MEASURING TECHNIQUES AND INSTRUMENTATION (1)				
12:30 - 13:30	Lunch Break				
13:30 - 15:10	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Hall "Rubin"</td> <td style="width:50%; text-align: center;">Hall "Perla"</td> </tr> <tr> <td style="text-align: center;">COASTAL STRUCTURES. BREAKWATERS (2)</td> <td style="text-align: center;">COASTAL HYDRODYNAMICS: WAVES. CURRENTS (1)</td> </tr> </table>	Hall "Rubin"	Hall "Perla"	COASTAL STRUCTURES. BREAKWATERS (2)	COASTAL HYDRODYNAMICS: WAVES. CURRENTS (1)
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15:10 - 15:30	Exhibition & Coffee break				
15:30 - 17:10	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Hall "Rubin"</td> <td style="width:50%; text-align: center;">Hall "Perla"</td> </tr> <tr> <td style="text-align: center;">COASTAL STRUCTURES. BREAKWATERS (3)</td> <td style="text-align: center;">COASTAL HYDRODYNAMICS: WAVES. CURRENTS (2)</td> </tr> </table>	Hall "Rubin"	Hall "Perla"	COASTAL STRUCTURES. BREAKWATERS (3)	COASTAL HYDRODYNAMICS: WAVES. CURRENTS (2)
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COASTAL STRUCTURES. BREAKWATERS (3)	COASTAL HYDRODYNAMICS: WAVES. CURRENTS (2)				
WEDNESDAY, OCTOBER 1 ST , 2014					
09:00 - 09:30	<u>Keynote 3</u>				
09:30 - 10:30	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Hall "Rubin"</td> <td style="width:50%; text-align: center;">Hall "Perla"</td> </tr> <tr> <td style="text-align: center;">COASTAL STRUCTURES. BREAKWATERS (4)</td> <td style="text-align: center;">SEDIMENT TRANSPORT. EROSION. SEDIMENTATION. LOCAL SCOUR</td> </tr> </table>	Hall "Rubin"	Hall "Perla"	COASTAL STRUCTURES. BREAKWATERS (4)	SEDIMENT TRANSPORT. EROSION. SEDIMENTATION. LOCAL SCOUR
Hall "Rubin"	Hall "Perla"				
COASTAL STRUCTURES. BREAKWATERS (4)	SEDIMENT TRANSPORT. EROSION. SEDIMENTATION. LOCAL SCOUR				
10:30 - 10:50	Exhibition & Coffee break				
10:50 - 12:30	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Hall "Rubin"</td> <td style="width:50%; text-align: center;">Hall "Perla"</td> </tr> <tr> <td style="text-align: center;">COMBINED PHYSICAL AND NUMERICAL MODELLING</td> <td style="text-align: center;">WAVE-STRUCTURE INTERACTION. STRUCTURAL RESPONSE (1)</td> </tr> </table>	Hall "Rubin"	Hall "Perla"	COMBINED PHYSICAL AND NUMERICAL MODELLING	WAVE-STRUCTURE INTERACTION. STRUCTURAL RESPONSE (1)
Hall "Rubin"	Hall "Perla"				
COMBINED PHYSICAL AND NUMERICAL MODELLING	WAVE-STRUCTURE INTERACTION. STRUCTURAL RESPONSE (1)				
12:30 - 13:30	Lunch Break				
13:30 - 15:10	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:50%; text-align: center;">Hall "Rubin":</td> <td style="width:50%; text-align: center;">Hall "Perla":</td> </tr> <tr> <td style="text-align: center;">PHYSICAL MODELLING. MEASURING TECHNIQUES AND INSTRUMENTATION (2)</td> <td style="text-align: center;">OCEAN ENERGY. WAVE/TIDAL ENERGY</td> </tr> </table>	Hall "Rubin":	Hall "Perla":	PHYSICAL MODELLING. MEASURING TECHNIQUES AND INSTRUMENTATION (2)	OCEAN ENERGY. WAVE/TIDAL ENERGY
Hall "Rubin":	Hall "Perla":				
PHYSICAL MODELLING. MEASURING TECHNIQUES AND INSTRUMENTATION (2)	OCEAN ENERGY. WAVE/TIDAL ENERGY				
15:10 - 15:30	Exhibition & Coffee break				
15:30 - 16:00	Scientific session 14: POSTERS				
16:00 - 18:00	Hall "Rubin": Scientific session 14 (6 x 20 min) "HYDRALAB-IV, More than water"				
THURSDAY, OCTOBER 2 ND , 2014					
09:00 - 09:30	<u>Keynote4</u>				
09:30 - 10:50	Hall "Rubin" PORTS AND HARBOURS. APPROACH CHANNELS. DREDGING				
10:50 - 11:10	Exhibition & Coffee break				
11:10 - 12:10	Hall "Rubin" WAVE-STRUCTURE INTERACTION. STRUCTURAL RESPONSE (2)				
12:30 - 13:00	Closing ceremony				
13:00 - 14:00	Lunch Break				
14:00 - 16:00	Study tour: <i>Visit of Laboratory and Coastal protection sites</i>				
16:00 - 19:00	Tall Ship "Kaliakra": Cruise along the Varna coast				
19:30 - 22:00	Conference Banquet				
FRIDAY, OCTOBER 3 RD , 2014					
Post conference tours (upon request)					