Central Dredging Association

RSHU

CHANGES !

Please refer to the appropriate pages of the website for up-to-date information on the
- technical programme
- local delegates rates
- official languages of the seminar.

International Seminar on Sustainable Dredging and Marine Construction

Eco-friendly Dredging in the Modern World

13 - 14 October 2009
St. Petersburg, Russian Federation

Organised by
Central Dredging Association - CEDA
Russian State Hydrometeorological University - RSHU - (hosting institution)
St. Petersburg State Polytechnical University - SPbSPU

in co-operation with
Government of St. Petersburg (Committee of Nature Use, Environmental Protection and Ecological Safety)

Principal sponsor:

Dredging International
Marine & Waterway Contractor

Sponsors:

Royal Boskalis Westminster nv

Эко-Экспресс-Сервис

IHC MERWEDE

DJN

DAMEN

www.cedaconferences.org/st-petersburg2009

THE SEMINAR

The Central Dredging Association (CEDA) has been very honoured to accept the invitation to co-operate with the Russian State Hydrometeorological University (RSHU) and the St. Petersburg State Polytechnical University (SPbSPU) in organising this technical seminar. It will provide a forum for the exchange of knowledge and ideas about dredging and marine construction between scientists and practitioners, across disciplines and countries.

Like in many other parts of the world the fast growing economy of the Russian Federation generates a high demand on dredging services. Impressive projects in and around St. Petersburg such as the expansion of the Port, the construction of the Sea Fasad, the Flood Protection Barrier and the Nord stream gas pipeline are true testament to that. In view of the highly sensitive nature of the Gulf of Finland, dredging and marine construction projects have to be undertaken with due care to the environment.

This international seminar will allow delegates to interact with and learn from each other, to gain an understanding of the latest environmental, technical and regulatory issues in general and in the Gulf of Finland in particular.

WHO SHOULD ATTEND

The seminar is aimed at scientists and practitioners representing

- academic and research institutions
- port, coastal and environmental authorities
- owners of infrastructure projects
- regulators
- environmental organisations
- conservation bodies
- dredging contractors
- consultants
- designers and builders of dredging equipment
- designers and builders of ancillary equipment

Date and venue

The seminar will be held on the 13th and 14th of October 2009 at the Hotel Moscow, St. Petersburg, Russia. The hotel is perfectly situated in the historical city centre on the Neva river embankment (Alexander Nevsky Square 2, St. Petersburg; T: +7 (812) 333 24 44; F: +7 (812) 274 21 30; W: www.hotel-moscow.ru).

Seminar language

English is the official language of the seminar. Presentations will be given in either English or Russian language during the technical sessions. Simultaneous translation will be provided. The abstracts of the presentations will be published in English.

SEMINAR RECEPTION

Tuesday, 13 October, 18.00 – 19.30 hours
Hotel Moscow

The reception will offer an excellent opportunity to participants to network in a friendly atmosphere. The reception is included in the seminar registration and accompanying persons' programme fee.

TECHNICAL VISIT

St. Petersburg Flood Protection Barrier
Wednesday, 14 October 13.30 – 18.30 hours

Connecting the North and South Coasts of the Finnish Gulf with the Kotlin island, the 24.5 km long Barrier provides flood defence to the residents and businesses of low-lying St. Petersburg. We will visit the impressive structure which comprises eleven rock and earth embankment dams, six water discharge sluices to accommodate outflow from the river Neva and two navigation channels equipped with closing gates, road bridges and a road tunnel.

Our host on-site will be Pieter van Vuuren of Boskalis, Project Director of the currently ongoing A2 Contract. This contract includes dredging for soil improvement, supply and placing of sand for sand and rock to close last part of the dam and the construction of the southern part of the tunnel under the shipping channel. We will also hear about works completed in the past two years such as dredging the new access channel.

This tour is included in the seminar registration fee. The tour departs from and ends at the Hotel Moscow.

ACCOMPANYING PERSONS' PROGRAMME

Guided tour to Pushkin
Tuesday, 13 October, 11.00 – 16.00 hours

This tour will give the unique opportunity for partners to visit Pushkin, also known as "Sarskaia" and later "Tsarskoye Selo" or "Tsars Village", entrenched in Russian history and well-known from Russian literature. Pushkin is located approximately twenty-five kilometers from St. Petersburg and is situated on land granted by Peter the Great to his wife, the future Catherine I. The sumptuous Catherine Palace (Yekaterinsky Dvorets) is the centerpiece of the sprawling park complex, surrounded by ponds, canals, follies and shaded paths. Tsarskoye Selo was beautiful in the past and remains beautiful today. The tour will take some five hours. Participants will be picked up at 11:00 am at Hotel Moscow and will return around 4:00 pm. The cost of the tour is € 110 per person. This price also includes the seminar reception on Tuesday evening. Please refer to the registration form.

DELEGATE FEES

Delegate/Speaker

CEDA, EADA or WEDA Members	€ 350.00
Non Members	€ 495.00
Speakers	€ 140.00
Local Russian Delegates* - 1	€ 140.00
Local Russian Delegates* - 2	€ 00.00

Accompanying person

Guided Tour Pushkin	€ 110.00

* See the registration section on the website for the specific conditions.

SEMINAR PROGRAMME

Day 1, 13 October 2009

08.30 – 09.30 **Registration**

09.30 – 10.00 **Welcome and Opening**

10.00 – 10.30 **Keynote:** The experience of technical projects connected with dredging in St. Petersburg. *Dr. Dmitrij Alekseevich Golubev, Head of Department of Environment, City Government St. Petersburg, Russian Federation.*

10.30 – 11.00 **Coffee break**

11.00 – 12.30 **Session 1: What connects Dredging with the Environment**
Chair: Dr Vladimir Alexandrovich Zhigulsky, Director, "Eco-Express-Service Ltd.", Russian Federation

11.00 Environmental aspects of dredging in the Russian sector of the Baltic Sea. *V.A. Zhigulsky, and A.F. Obukhovsky, Eco-Express-Service Ltd., Russian Federation*

11.30 How does Building with Nature research add to Baltic practice? *Stefan Aarninkhof. Royal Boskalis Westminster, the Netherlands*

12.00 Training-through-the research approach in education of environmental engineers at the RSHU. *Dr. Sergey Vasiljevich Lukyanov, RSHU: UNESC, Russian Federation*

12.30 – 13.30 **Lunch**

13.30 – 15.00 **Session 2: Dredging for port and infrastructure development**
Chair: Nina Blaznova, Resident Manager for Russia and CIS. Dredging International, Belgium

13.30 Environmental problems of the harbour construction in the Gulf of Finland (Vysotsk and Primorsk areas). *A.I. Alkhimenko, State Polytechnical University and Yu.N. Fomin Sevzaphydrostroj Ltd., Russian Federation*

14.00 DEME approach to port infrastructure development in the Russian Federation. *Nina Blaznova, Resident Manager for Russia and CIS. Dredging International, Belgium*

14.30 Application of dredging related techniques in road construction. *Buu Long, Royal Boskalis Westminster, the Netherlands*

15.00 – 15.30 **Coffee break**

15.30 – 17.00 **Session 3: Management of dredged material**
Chair: Olga Alekseevna Kijko, Senior Scientist, Ecoproject Ltd., Russian Federation

15.30 Sediment management in port area's. *Siegfried D'haene, Business Development Manager DEC (DEME Environmental Contractors). Dredging International, Belgium.*

16.00 Cleanup small canals in urban areas. *Daan Rijks, DHV, the Netherlands.*

16.30 Monitoring of the consequences of disposal of bottom sediments in the Gulf of Finland \ Baltic Sea, *Olga Alekseevna Kijko, Senior Scientist, Ecoproject Ltd., Russian Federation*

17.00 **Discussion**

18.00 – 19.30 **Reception**

Day 2, 14 October 2009

09.30 – 10.00 **Session 4: Sand and gravel mining**
Chair: V.B. Pogrebov, Ecoproject Ltd., Russian Federation

08.30 Geoecological situation in the Gulf of Finland / Baltic sea. *Prof. Dr. Alexander Evmenjevich Rybalko, Dr. Natalia Konstantinovna Fedorova, Sevmorgeo Ltd. Russian Federation*

09.00 Extraction of Fe-Mn-concretion from the bottom of the Gulf of Finland (Baltic Sea), and the ecological sensitivity of the coastal ecosystems (with the presentation of the Nature Protection Atlas for the Russian Part of the Gulf of Finland). *V.B. Pogrebov, Ecoproject Ltd., Russian Federation*

09.30 Marine Sand and Gravel Extraction- Impacts and Mitigation. *Dr Lindsay Murray, Director - Environment and Ecosystems Division, Cefas, UK.*

10.00 – 10.30 **Coffee break**

10.30 – 12.00 **Session 5: Dredging equipment and possible effects**
Chair: Dr. Tatyana Removna Eremina, RSHU, Russian Federation

10.30 Effect of suspended material on the ecosystem of the Eastern Gulf of Finland. *Dr. Tatyana Removna Eremina, RSHU, Russian Federation*

11.00 The making of sustainable dredging equipment. *Paul Vercruijsse, Manager Research & Development, MTI Holland, the Netherlands*

11.30 Monitoring, modelling, prediction and control of dredging operations. *Nick Bray, Director, Dredging Research Unit, HR Wallingford, UK*

12.00 **Discussion**

12.15 **Closing**

12.15 – 13.15 **Lunch**

13.30 – 18.30 **Technical visit**

Please note: The organisers reserve the right to adjust or change the programme as necessary.

ACCOMMODATION

Delegates are responsible for their own hotel bookings. ~~The seminars headquarters hotel is Hotel Moscow (Alexander Nevsky Square 2, St. Petersburg, Russia; T: +7 (812) 333-24-44; F: +7 (812) 274-21-30; W: www.hotel-moscow.ru).~~ The other recommended hotel in a lower price category is Hotel Beijing Garden (Tallinskaya str. 11, T: +7 (812) 445 3529; M: +7 (911) 704 84 27; W: www.hotel-in-spb.ru/eng/404/), approximately 15 minute walk to Hotel Moscow. For rates and booking details please refer to the table below. Please note: The rates below are rack rates. No special rates have been arranged for seminar participants and no reservation code is required. Breakfast in both hotels is included in the quoted price. Both hotels arrange registration of guests with the police (required within three days) for Rubl 120.00 /person (€ 2.80).

Please see the accomodations page of the website for up to date information

Hotel	Website	Type	Room Rates	Reservations
Hotel Beijing Garden	www.hotel-in-spb.ru/eng/404/	Standard single	€ 40.00	siola@hotel-in-spb-ru or sale@hotel-in-spb.ru T: +7 (812) 445 35 29 F: +7 (812) 445 35 29
		Standard double	€ 57.00	
		Upgraded double (with sauna)	€ 90.00	
		Suit (two large rooms, with sauna)	€ 99.00	

PRACTICAL INFORMATION

Visa: You are required to have a business visa to enter the country for the purpose of the seminar. On request, the co-organiser of the seminar, RSHU, will be pleased to send personal invitations to seminar participants and accompanying persons after the registration fee has been received. You will have to apply for visa at the nearest Russian Embassy or Consulate. Please take into account that it takes approximately two weeks to obtain the visa through the standard procedures. In several countries the invitation letter issued by RSHU may entitle you for an entry visa free of charge. The invitation by RSHU will only be issued for the purpose of assisting participants to raise travel funds or obtain visas. No financial commitment on the part of the organisers is implied. Please indicate on the seminar registration form if you wish to receive a letter of invitation.

Important: You have to register for the seminar, pay the registration fees and send the completed visa support form to RSHU **before 15 August 2009.** Please refer to the registration form for further details.

Currency: Russian currency is Rubel. 100 Russian Rubel = approx. € 2.30.

Transport from the airport: Both hotel Moscow and Hotel Beijing Garden arrange transport from the airport. One car for one trip is approx. € 35. Please contact your hotel directly to make the necessary arrangements.

SPONSORSHIP

Sponsorship opportunities still exist. Please contact the CEDA Secretariat for information.

ORGANISERS

The seminar "Eco-friendly Dredging in the Modern World" is organised by the Central Dredging Association (CEDA), the Russian State Hydrometeorological University (RSHU) and St. Petersburg State Polytechnical University (SPbSPU).

The Central Dredging Association (CEDA) is a non-profit, international, professional, technical association for all professionals involved in dredging and marine construction and who live or work in Europe, Africa, or the Middle East. CEDA provides an independent forum for the exchange of knowledge and good practice on all aspects of dredging. Members of CEDA come from many fields and include consultancies, academic and research institutions, port authorities, government bodies, contractors, builders of dredging vessels and suppliers of ancillary equipment. CEDA represents the common interest of all fields related to dredging and marine construction and does not promote the interest of any particular industry sector or organisation. For more information please visit: www.dredging.org.

The Russian State Hydrometeorological University (RSHU) is the leading higher educational institution working in the field of environmental and earth sciences in Russia. RSHU is internationally recognized university which has a status of Regional Training Centre of the World Meteorological Organization since 1995. The University offers both under- and postgraduate educational programmes leading to academic degrees of BSc, MSc, PhD and Dr Sc. Now RSHU has more than 3 500 Russian and international students from about 40 countries. Researchers and scientists of the five Departments of the university carry out their research in the field of meteorology, hydrology, oceanography, economics and ecology. For further details please visit www.rshu.ru

St. Petersburg State Polytechnical University (SPbSPU) occupies one of the top positions among Russian institutions of higher learning participating in international academic projects. At present SPbSPU cooperates with more than 60 universities from all over the world. The University takes part in a number of European academic projects, among them: TEMPUS/TASIS, BISTRO, COPERNICUS, INTAS, NORDIC and others, as well as collaborating with international research centers and industrial companies. SPbSPU also contributes to work of world leading organizations in the following spheres: hydraulics (MAGI), electric networks (SIGRE) and dam engineering (SIGB). The University also has an important role in International Institute of Welding, International Organization of Theoretical and Applied Mechanics, International Organization of Automotive Management and International Power Academy.

Organising committee

Co-chairs:

Lev Karlin, Prof. Dr. Sc. (Technical Sciences), *Rector Russian State Hydrometeorological University, Russian Federation*

Alexander Ivanovich Alkhimenko, Prof., Dr. Sc. (Technical Sciences), *Dean of the Department of Engineering, Head of the Chair of Hydrotechnical and Shelf Engineering, State Polytechnical University, Russian Federation*

Mikhail Borisovich Shilin, Prof., Dr. Sc. (Geography), *Russian State Hydrometeorological University, Russian Federation*

Polite Laboyrie, *Chairman Environment Committee of CEDA, Head Department Hydraulic Engineering and Environment Rijkswaterstaat, Ministry of Transport, Public Works and Water Management, Centre for Public Works, the Netherlands*

Members:

Anna Csiti, *General Manager CEDA, the Netherlands*

Anders Jensen, *President of CEDA, Manager Environment, Femern Baelt, Denmark*

Maria Anatolievna Mamaeva, Dr. Sc (Mathematics), *Chief, International Relations Office,*
Russian State Hydrometeorological University, Russian Federation

Vladimir Alexandrovich Zhigulsky, *Director, "Eco-Express-Service Ltd.", Russian Federation*

WAYS TO REGISTER

1. Book online at **www.cedaconferences/st-petersburg2009**
2. Email copy of booking form to ***info@event-logistics.co.uk***
3. Fax the completed registration form to ***+44 (0) 1460 258783***
4. Post the completed registration form to Event Logistics Ltd., Lawn Cottage, Owl Street, Stocklinch, Ilminster, Somerset TA199JW, UK

TERMS AND CONDITIONS

Booking Conditions

A confirmation will be sent to ayou on receipt of your booking. If you have requested a payment receipt, one will be sent to you from Event Logistics Ltd. Payment must be received before the seminar date – if you require an invitation letter, before 15 August 2009. If payment is not received, delegates will be asked to guarantee payment with a personal credit card or to pay by cash on site.

Joining Instructions

Joining instructions will be issued subject to receipt of payment. We cannot be held responsible for the non-arrival of registration information. If you have not heard from us within 14 days of the seminar date, please contact Event Logistics Ltd.

Cancellations / Substitutions

Cancellations and substitutions must be made in writing. Cancellations made four weeks before the event will be charged at € 75 +VAT. Cancellations made between four weeks and two weeks will be charged at 50% of the invoice total. Cancellations made after this period will be charged at the full invoice amount. However, you can send a substitute delegate at any time. Bookings received less than two weeks before the seminar date can only be paid by credit card. Cancellations and substitutions must be made in writing. Non-attendance at the event will be considered a late cancellation and the full fee will be payable.

It may be necessary for reasons beyond the control of the organisers to alter the content and timing of the programme, or the identity of the speakers. In the event that the conference has to be cancelled, you will be entitled to a full refund of your delegate fee. The organisers will not be responsible for the reimbursement of any other costs incurred by potential delegates.

Special Arrangements

If you have any additional requirements, such as wheelchair access or special dietary needs, please let us know in advance.

General

Nothing in these terms and conditions shall restrict or exclude any liability that we have to any party that cannot be excluded by law. These Terms and Conditions shall be governed by English Law, and the courts of England and Wales shall have exclusive jurisdiction over any disputes arising.

Submission of this booking constitutes a legally binding agreement.

Liability and Insurance

Registration fees do not include insurance of any kind. It is strongly recommended that when registering for the conference and booking travel arrangements, intending participants should arrange personal insurance cover for the following:

- loss of registration and tour fees, deposits, hotel costs, and air fares, through cancellation of the seminar for Force Majeure or any other reason
- failure to utilise pre-booked arrangements due to airline delays for Force Majeure or any other reason
- medical expenses and loss or damage to personal property

Neither CEDA, RSHU, SPbSPU nor Event Logistics Ltd will accept responsibility for any personal injury, damage or loss of property, which may occur in connection with the conference. The insurance is to be purchased in the participant's own country.

SEMINAR REGISTRATION FORM

Eco-friendly Dredging in the Modern World
13-14 October 2009
Hotel Moscow, Alexander Nevsky Square 2, St. Petersburg, Russia

DELEGATE DETAILS

Title: (Prof/Dr/Mr/Ms) . . . . . First Name: . . . . . .

Family Name: . . . . . .

Job Title: . . . . . .

Organisation: . . . . . .

Address: . . . . . .

Postcode: . . . . . .Country: . . . . . .

Tel: . . . . . Fax: . . . . . .

Email: (note that email is required as all joining instructions to be sent out by email)

. . . . . .

ACCOMPANYING PERSON

Title: (Prof/Dr/Mr/Ms) . . . . . Family name: . . . . . Initials: . . . . . .

Dietary requirements: . . . . . .

□ Please tick if you require a letter of invitation from RSHU for VISA purposes and send the visa support form available at the seminar's website to the address given in the form before **15 August 2009**. Accompanying persons have to send a separate form.

Type of Organisation:

□ University, research institution
□ Government
□ Owner of infrastructure project
□ Dredging and marine construction company
□ Student
□ Other – Please specify: . . . . . .
□ Designer and builder of ancillary equipment
□ Port, coastal or environmental authority
□ Consultancy firm
□ Environmental organisation
□ Dredging vessel and dredging equipment manufacturer

The registration fees for seminar participants include attendance at the seminar, documentation, lunches, coffee breaks, seminar reception on Tuesday, technical visit on Wednesday.

The accompanying persons fee for the Guided Tour Pushkin on Tuesday includes transportation, entrance ticket, lunch and refreshments during the tour, seminar reception on Tuesday and technical visit on Wednesday.

To have an indication of how many people we can expect we kindly request you to indicate below which parts of the programme you wish to attend (all included in the registration fees).

□ seminar reception - Tuesday with accompanying person YES/NO

□ technical visit – Wednesday with accompanying person YES/NO

DELEGATE FEES

Delegate /Speaker	Fee	Total
CEDA, WEDA or EADA Members*	€ 350.00	.....
Non Members	€ 495.00	.....
Speakers	€ 140.00	.....
Accompanying person		
Guided Tour Pushkin - Number of persons: X	€ 110	.....
		.....

* All individual members and employees of corporate members of CEDA are eligible for registration at the member's rate.

PAYMENT DETAILS

□ **Cheque** Please make cheques payable to CEDA □ I enclose a cheque for € . . . . . .

□ **Credit/Debit Card**

To pay by credit card via our secure online payments site, please go to ***www.cedaconferences.org/*st-petersburg2009**

If you do not wish to pay online, please complete the details below.

Please include an additional € 10 to cover credit card charges.

Please debit my MasterCard / Visa / Switch / Delta card by € . . . . . .

Card number: □□□□/□□□□/□□□□/□□□□

Card Expiry Date: □□/□□ Security Number: □□□□

Cardholder Name: . . . . . .

Cardholder Billing Address: (if different from address previously given) . . . . . .

. . . . . .

Signature (I authorise use of my credit card for the above payment. I have read and agreed with the terms and conditions.)

□ **Bank Transfer**

Tick box (I confirm that payment has been arranged by bank transfer.)

If paying by this method, please include an additional € 10 to cover the bank charges.

If you do not wish to receive details of future CEDA products and services, please tick here. □

Bank Account Details
Bank Name: Alliance and Leicester Commercial Bank
Bank Address: Bridle Road, Bootle, Merseyside L30 4GB
Swift /bic code of the bank: ALEIGB22
IBAN code: GB 62 GI RB 72 000005208211
Exact name of the account holder: Event Logistics Ltd
Please quote the reference CED001 and include an additional € 10 to cover bank charges.

Data Protection
CEDA, RSHU, SPbSPU and Event Logistics are committed to protecting your privacy and security. The information provided by you will be used for correspondence, billing and accounts for this event. The data will also be held on a database to provide you with information on services that CEDA provides in the dredging and marine construction fields. We do not sell data information to third parties.

From time to time we may invite you to supply personal information in order for us to provide you with services. By submitting your personal information, you consent to such processing in connection with such orders, offers or services and for any other purposes to which you consent at the time you provide the information. We will never wilfully disclose personal information about you to any third party, other than to process an order, without first receiving your permission or unless we are under a legal obligation to do so.

Seminar Secretariat - Enquiries

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