

## Location

Novorossiysk is a vibrant town rapidly growing due to increased business and tourism located in the far west of Russia on the Black Sea coast. Although officially founded as recently as 1839 it was based on the existence of a previous military fort erected to control the entrance of its unique bay, the current anchorage of the Russian Black Sea Fleet. Previous settlements have existed there since prehistoric times and the Greek cartographer Strabo reported a colony on the nearby bay in 1st Century AD. The Genoese also controlled that region from 1200's up to the end of the 15th century when the Ottoman Turks became the masters of the Black Sea and they built a fortress on the bay.

The city was to withstand the attack of the allies during the Crimean conflict and subsequent attack during the Russian Turkish

war of 1860's. It also memorably resisted the attacks by German forces during WWII, when the northern part of the bay was occupied by the enemy while a small strip of the southern shore, where the Russian forces were, resisted bombardment. Their heroic holding of that bridgehead then allowed the disembarkation of more Russian troops which eventually drove the enemy out. In the process, many of the most interesting buildings in the town were destroyed, those which survived give an idea of the attractive character of the town up to the time of the soviet revolution, when the many mansions and churches became public buildings or workers clubs.

The town built only on the southern part of the bay is well designed, with open spaces, wide boulevards and a beautiful promenade. Its industries are located across the bay where the portland like stone hills are the material for the numerous cement mills and were the basis for its economic success. Novorossiysk is now a major seaport, connecting Russia with the Mediterranean, Middle East, Africa, Asia and South America. It is Russia's main south sea port. It handles oil shipments arriving by pipelines as well as bulk products, portland cement, grains and containers.

The town which is well connected by road and rail to the rest of Russia, has two regional airports for connections to St Petersburg and Moscow.

## Submission Information

**Papers are invited on the topics outlined and others falling within the scope of the meeting. Abstracts of no more than 300 words should be submitted as soon as possible.**

Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper, which if accepted for publication must be presented at the conference.

The language of the conference will be English.

**Online submission:**  
wessex.ac.uk/marine2015

**Email submission**  
imoreno@wessex.ac.uk

**Submit your abstract with 'Marine Technology 2015' in the subject line.**  
Please include your name, full address and conference topic.

## Conference Secretariat

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# MARINE TECHNOLOGY 2015

## International Conference on Marine Technology

**21 – 23 October 2015**  
**Novorossiysk, Russia**

### Organised by

Wessex Institute, UK  
Admiral Ushakov Maritime State  
University, Russia

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WIT Transactions on the Built Environment  
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**The International Conference on Marine Technology to be held in Novorossiysk organised by the Admiral Ushakov Maritime State University and the Wessex Institute, UK aims to discuss new developments in traditional and advanced marine techniques in a variety of topics.**

The substantial growth of maritime shipping and cruise ships, together with the rapid advances in naval engineering for military as well as civilian uses has resulted in rapid changes in many fields. They include management, operation, design and manufacture of ship and maritime works. Added to this are the substantial advances in the field of offshore hydrocarbon exploitation, and shipping with the need to address the associated environmental risk.

The conference will address both advances in traditional as well as improvement in marine engineering techniques, including modern

areas of research and development on a variety of topics listed below, as well as others relevant to the objectives of the meeting.

The conference will be held at the Admiral Ushakov Maritime State University, the most important Russian school for the formation of its merchant navy officers, amongst others. It has excellent training facilities in a new campus on the south side of the bay. Its 5000 students study any of the 26 maritime related subjects on offer, including; port complex engineering, pipeline transport engineering, IT engineering, marine law, finance, naval engineering, navigation and management.

**Conference Topics**

- Navigation and ship operations
- Shipbuilding and design
- Materials and fabrication in shipbuilding
- Ship propulsion, equipment and automation
- Management aspects
- Reliability and safety in marine technology
- Deep sea systems and vehicles
- Offshore hydrocarbons exploration and exploitation
- Monitoring and response
- Environmental issues
- Emergency response
- Education, training and knowledge dissemination
- Ship and port operations
- Multimode transport
- Maintenance
- Material degradation and corrosion
- Risk analysis
- Information systems
- Hydrodynamic aspects
- Port management
- Marine engineering works

**Benefits of Attending**

**Conference Proceedings** Papers presented at Marine Technology 2015 will be published by WIT Press in Volume 147 of WIT Transactions on the Built Environment (ISSN: 1746-4498 Digital ISSN: 1743-3509) WIT Press ensures maximum worldwide dissemination of your research through its own offices in Europe and the USA, and via its extensive international distribution network.

Delegates will have the choice of receiving the conference book as either hard cover or digital format on a USB flash drive. The USB flash drive will, in addition, contain papers from previous relevant conferences.

**Indexing and Archiving** Papers presented at Wessex Institute conferences are referenced by CrossRef and regularly appear in notable reviews, publications and databases, including referencing and abstracting services such as SCOPUS, Compendex, Thomson Reuters Web of Knowledge and ProQuest. All conference books are archived in the British Library and American Library of Congress.

**Digital Archive** All conference papers are archived online in the WIT eLibrary (<http://library.witpress.com>) where they are easily and permanently available to the international scientific community.

**Journal Papers** After the conference, presenters at Marine Technology 2015 will be invited to submit an enhanced version of their research for possible publication in the International Journal of Sustainable Development and Planning published by the Wessex Institute.

**Reviews** Abstracts and papers are reviewed by members of the International Scientific Advisory Committee and other experts.

**Open Access** Open Access allows for the full paper to be downloaded from the WIT eLibrary archives, offering maximum dissemination. Authors who choose this option will also receive complimentary access for one year to the entire WIT eLibrary.

**Networking** Participants can present their research and interact with experts from around the world, becoming part of a unique community.

**Reduced Fee for PhD Students** The Wessex Institute believes in the importance of encouraging PhD students to present and publish innovative research at their conferences. As a result, the Institute offers PhD students a much reduced conference fee.

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**Citations** When referencing papers presented at this conference please ensure that your citations refer to Volume 147 of WIT Transactions on the Built Environment as this is the title under which papers appear in the indexing services.