

The First Announcement of International Conference on Decarbonization and Digitalization in Marine Technology (ICDM)

November 26~27, 2020
Conventional Center of SNU Siheung Campus
Seoul National University
Seoul, Korea

The most important technical issues in marine engineering for next decades are decarbonization and digitalization. The development of environment-friendly marine vehicles and offshore structures to reduce green-house-gas emission is the mission of everyone who are involved in shipbuilding, shipping and offshore industries. Furthermore, the digitalization of marine vehicles and structures, triggered by the Fourth Industrial Revolution, has become a historical flow in marine engineering.

In the present engineering trend, decarbonization and digitalization are becoming the catalysts for the development of new technologies and equipment in marine industries. The demand of new technologies for those issues is very strong, and it will be even stronger in the future. To further develop new technologies and boost up industrial growth, collaborative efforts must be made in communication and experience sharing between engineers, designers, and researchers. This conference will provide an excellent chance not only to understand the current state of the art for decarbonization and digitalization in marine engineering but also to interact with worldwide researchers and engineers. On behalf of the organization committee, I would like to invite you to the International Conference on Decarbonization and Digitalization in Marine Engineering (ICDM). Through this event, I wish you to introduce your research, technology development, industrial or academic educational experience, and all the issues about decarbonization and digitalization. All the participants will be warmly welcome.

On behalf of the Organization Committee,

Y. Kim(SNU), W.H. Joo(HHI/KSOE), Y.L. Shim(SHI), D.K. Choi(DSME), B.K. Kim(KRISO), J.T. Lee(Lloyd's Register Asia)

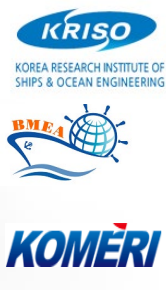
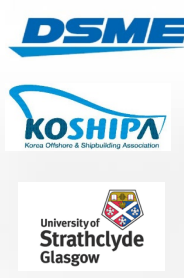
Themes of Conference

The conference considers all technical themes related to decarbonization and digitalization in shipbuilding, ship operation, and shipping industries, including but not limited to

Greenship technology, Energy saving device and operation, Exhaust gas cleaning/reduction solutions, Smartship technology, Autonomous ship and navigation technology, Digital twin for ships and offshore structures, Cyber security on marine operation, Big data acquisition and management, Vessel performance prediction and optimization, Academic education and curriculum development, Impact on shipping and marine logistics, Digital shipyard, Smart production of ship and offshore structure, International regulation and standards

Key Dates

Website opening: February 20, 2020
Submission of Presentation Request: February 20 ~ April 30, 2020
Early Registration: May 1 ~ August 30, 2020
1st Program Announcement: July 1, 2020
Conference: November 26~27, 2020
(Oral presentations only in the conference.)



(More organizations are going to join.)