

# International Workshop on In-Water Performance of Lifejackets

Organised by  
National Maritime Research Institute (NMRI),  
National Institute of Maritime, Port and Aviation Technology (MPAT)

**WEBINAR (Free)**

**2021 March 11th 00:30 to 02:00 UTC (09:30 to 11:00 JST)**

**Only for registered participants**

**Language: English only**

## Remark

Lifejackets should function in case of emergency and SOLAS lifejackets have been certified after various tests, as required by the International Life Saving Appliance Code (LSA Code) and the Revised Recommendation on Testing of Life Saving Appliances (resolution MSC.81(70)). One of these tests is the in-water performance test using human test subjects wearing only swimming costumes.

The United Kingdom's Marine Accident Investigation Branch (MAIB) reported the accident occurred in April 2016 resulting in the drowning of three seafarers wearing SOLAS lifejackets in calm water. The investigatory group consisting of the United Kingdom's Maritime and Coastguard Agency, the MAIB, etc., having conducted the research, recognized that there was a strong correlation between the clothing worn by a human test subject and the in-water performance of a lifejacket.

The Maritime Safety Committee (MSC) of IMO, at its 101st session held on June 2019, agreed to review the LSA Code and resolution MSC.81(70) to address the in-water performance of SOLAS lifejackets and assigned the Sub-Committee on Ship Systems and Equipment (SSE Sub-Committee) for this work. The SSE Sub-Committee, at its 7th session (SSE 7) held on March 2020, agreed to place the work item "Development of amendments to the LSA Code and resolution MSC.81(70) to address the in-water performance of SOLAS lifejackets" in the provisional agenda of the next session.

During deliberations on the in-water performance of SOLAS lifejackets in European countries, many options were considered on how to rectify the perceived issues. Based on the deliberations, the SSE Sub-Committee will consider not only strengthening of test standards for the in-water performance of lifejackets but also the minimum buoyancy requirement and notification of safety information to lifejacket end-users. In addition, Japan has been in charge of the research on in-water performance of SOLAS lifejackets with clothing.

National Maritime Research Institute, National Institute of Maritime, Port and Aviation Technology (NMRI) organizes the International Workshop on In-Water Performance of Lifejackets for facilitating future discussion at IMO for the development of new test procedures for SOLAS lifejackets taking account of clothing conditions. NMRI is pleased to present the latest results of its research for further progress in the discussion.

## Programme (Time in UTC)

00:30	Opening address	<b>Dr. ABE Akinori</b> Director General
00:35	Experimental research on righting performance of lifejackets with clothing	<b>Dr. MIYAZAKI Keiko</b> Deputy Director, Centre for International Cooperation
01:15	Study on method of predicting righting phenomena influenced by clothing	<b>Dr. KURODA Takako</b> Senior Researcher, Seakeeping Performance Research Group, Fluids Engineering and Ship Performance Evaluation Department
01:35	Discussion (Q & A)	
02:00	Closure of the workshop	

**Moderator: Dr. OTA Susumu**, Director, Centre for International Cooperation

## Registration

Please send e-mail to [iws-lifejackets@m.mpat.go.jp](mailto:iws-lifejackets@m.mpat.go.jp) notifying:

- .1 title (Dr., Capt., Mr., Ms., etc.);
- .2 name;
- .3 country and/or organization;
- .4 position; and
- .5 email address.

Zoom will be used as the platform for the Workshop. Joining details will be provided to participants in due course.



**Experiment using dummy with clothing and reduced-size lifejacket (during turning)**