

# H2020 GATERS Project Webinar - II

## Introduction:

As an integral component of the H2020 GATERS project's communication, dissemination, and exploitation activities, we are pleased to announce our forthcoming participation in the 7th International Conference on Advanced Model Measurements Technologies for the Maritime Industry (AMT '23), where significant project outcomes will be presented during four special sessions. These sessions will also be broadcasted online as webinars, ensuring open accessibility to interested parties via the provided webinar address. During the event, questions and comments will be taken from both in-person and online participants. Join us as we share pivotal GATERS Project results and engage in collaborative discussions to propel maritime technology advancements.

## Agenda:

### Session I – Model Tests & Extrapolations

Chair: TBC

- **PAPER 17 - Systematic experimental survey of propulsive and acoustic performances of a Gate Rudder® system in relation to a conventional rudder** (08:00 – 08:25, *Santic, I. et al., National Research Council (NCR-INM), Italy*)
- **PAPER 47 - On the Evaluation of the Model Test Extrapolation Methods by Sea Trial Measurements** (08:25 – 08:50, *Celik, C. et al., Istanbul Technical University, Turkey*)
- **PAPER 40 - Design, Development and Validation of a New Free-Running Manoeuvring Test System** (08:50 – 09:15, *Özden, C. et al., Istanbul Technical University, Turkey*)

### Session II – Design & Operation Uncertainties

Chair: TBC

- **PAPER 37 - Design accuracy and errors of Gate Rudder System of MV ERGE revealed by the GATERS Project Trials Observations** (10:00 – 10:25, *Sasaki, N. et al., The University of Strathclyde, Glasgow, UK*)
- **PAPER 52 - Full Scale Measurement Uncertainty for Comparative Tests** (10:25 – 10:50, *Insel, M. et al, Hidroteknik, Istanbul, Turkey*)
- **PAPER 35 - Manoeuvrability Improvement Investigation of A Coastal Vessel Retrofitted With A Gate Rudder System Using Computational And Experimental Methods** (10:50 – 11:15, *Gurkan, A.Y. et al., The University of Strathclyde, Glasgow, UK*)

### Session III – Cavitation & Underwater Radiated Noise

Chair: TBC

- **PAPER 48 - Cavitation Observation of M/V ERGE During the Sea Trials: A Comparison of Gate Rudder and Conventional Rudder Configurations** (12:45 – 13:10, *Koksal, C. et al., The University of Strathclyde, Glasgow, UK*)
- **PAPER 46 - Effects of the Gate Rudder System (GRS) on the Experimental Cavitation Observations and Noise Measurements** (13:10 – 13:35, *Ozsayan, S. et al., Technical University of Istanbul, Turkey*)
- **PAPER 49 - Underwater Radiated Noise Measurements of Preand Post-Retrofit of Gate Rudder System During the Sea Trials** (13:35 – 14:00, *Koksal, C. et al., The University of Strathclyde, Glasgow, UK*)

### Session IV – Gate Rudder Blade Design Engineering Aspects

Chair: TBC

- **PAPER 43 - On the Structural design of the rudder plate of Gate Rudder** (14:45 – 15:10, *Sasaki, N. et al., The University of Strathclyde, Glasgow, UK*)
- **PAPER 44 - Gate Rudder System: investigation for the use of composite materials** (15:10 – 15:35, *Paboeuf, S. et al., Bureau Veritas Marine & Offshore, Nantes, France*)
- **PAPER 34 - Computational Investigation of The Impact of a Gate Rudder System on A High Block Coefficient Costal Vessel as A Retrofit** (15:35 – 16:00, *Gurkan, A.Y. et al., The University of Strathclyde, Glasgow, UK*)