

SAVE THE DATE

DEMaT 2022

15. INTERNATIONAL WORKSHOP

Rostock

12.09.2022 - 15.09.2022

registration:

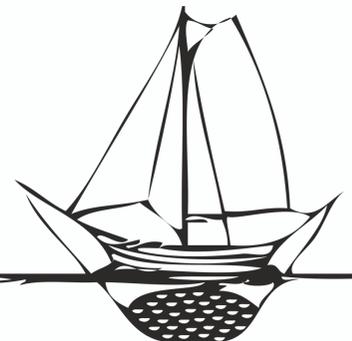
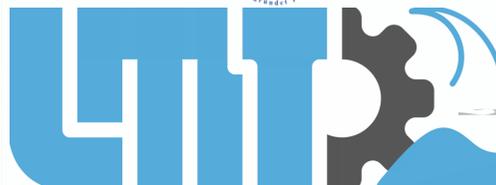
demat2022.org

(available from end of April 2022)

Universität
Rostock



Traditio et Innovatio



Dear colleagues,

We are happy to finally announce the 15th DEMaT workshop to be held in Rostock, Germany, in September 2022. Again, we would like to provide a platform for discussion of your latest research and technical or scientific developments. Thus, every attendee is asked to not only participate in presentations but also submit a full paper. The complete workshop proceedings will be available to all participants.

As frequent DEMaT attendees will realise studying the technical programme, we have decided to widen the conference topic. Given the actual global developments with regard to climate change and sustainable living including the associated changes needed in handling precious resources, we would like to put recent technical development into a broader perspective.

From our point of view that needs a discussion beyond engineering problems to be able to address the immense scope of the task ahead. Thus, we plan to set the overall focus on "Technologies to ensure a sustainable marine food production", inviting motivational/keynote speakers and colleagues from neighbouring fields of expertise, helping us to discuss the most pressing issues in fishery and seafood production.

Please find on the next page the latest schedule as well as a preliminary programme. Any feedback is much appreciated. Feel free to contact us at any time.

We are looking forward to seeing you in Rostock.

Best regards,

Prof. Dr.-Ing. Sascha Kosleck
Chair of Ocean Engineering
University of Rostock

Email: demat@uni-rostock.de

Programme Preview

12.09.2022

arrival and evening get-together

13.09.2022

conference and evening programme

14.09.2022

conference, excursion and dinner

15.09.2022

conference

Schedule

01.05.2022

- DEMaT-website including registration go online

01.07.2022

deadline for submission of *abstracts*

04.07.2022

notification of acceptance

12.08.2022

deadline for submission of *draft papers*

31.08.2022

deadline for submission of *final papers*

Main focal points:

- “Technologies to ensure sustainable marine food production”
- Sustainability
- Engineering science
- Interdisciplinary research (sciences, engineering and more)

selected technical session topics:

- Mathematical models and numerical simulation of net-like structures and floating seafood production systems (addressing mathematical and numerical approaches to predict flow fields, deformations, bottom-impact of net-like structures, trawls and related components)
- Experimental analyses of net-like structures with application in fishery and seafood production (addressing experiments to predict flow fields, deformations, bottom-impact of net-like structures, trawls and related components)
- Autonomous systems in fishery and marine aquaculture
- Improved fishing gear systems and their impact on sustainable fishery
- Actual developments in fishery technologies and quality improvement in seafood production (addressing new catch methods, better catch handling, reduction of bycatch mortality, stock assessment, old things thought new)
- Survey and observation (stock assessment, insitu catch composition monitoring, artificial intelligence in marine food production, environmental monitoring, etc.)
- Feel free to add any further (hot-) topics related to seafood production/ fisheries

Keynote speakers will open individual sessions focusing on long-term changes to marine seafood production, highlighting their economic and ecological impacts in the context of sustainable ocean use.