Annex 1 (AAS)

Guideline - Research Proposals for All Academic Staff FY2025
(Research Period: May 2025 to May 2026)

Theme 1: The Future Trends in Maritime Education and Training

(Max. USD 60,000)

Possible key concepts to be structured and explored within the theme, not limited to the following:

- Technological tools improving learning outcomes (VR, AR, AI…)
- Learning process in novel socio-technical environments
- Required competencies serving technologically advanced ships
- Comprehensive review of the STCW Convention 1978, as amended
- Global Maritime Professionals

Desirable Goals

- Applying the state-of-the-art MET methods
- The future requirements of the MET curriculum
- Implementing the Body of Knowledge
- Identifying the gaps in relevant IMO MET regulation, including future seafarer competencies
- Exploring virtual MET environment

Theme 2: Emerging technologies in the maritime industry

(Max. USD 60,000)

Possible key concepts to be structured and explored within the theme, not limited to the following:

- Decision-making in navigation
- Increasing cost efficiency through marine engineering
- Human-Machine interaction
- Intelligent fairways
- Smarter and greener ports
- Managing cyber safety and security risks
- Enabling Maritime Autonomous Surface Ships

Desirable Goals

- Exploring challenges in the maritime industry
- Exploring opportunities for emerging technologies onboard ships
- Introducing innovative technologies and solutions for ports
- Enhancing onboard marine operation

Theme 3: Shipping in the era of reducing emissions

(Max. USD 60,000)

Possible key concepts to be structured and explored within the theme, not limited to the following:

- Alternative fuels and energy sources
- Emission reduction and pollution prevention control
- Waste management in shipping
- Zero-emissions in ports
- Hull design
- Role of renewable energy

Desirable Goals

- Exploring technologies to reduce emissions
- Approaching zero emissions in shipping
- Introducing innovations for greener and cleaner shipping

Theme 4: Optional theme

(Max. USD 60,000)

Applicants to this research proposal are required to include possible key concepts and desirable goals to be structured and researched within the theme in their application forms

Note:

Each IAMU member university can submit one (1) proposal for each theme.

Form 1-A is for all themes

Reference is the Evaluation form for All Academic Staff (Criteria in the Evaluation form will help you to prepare the application)

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