

Moan-Faltinsen Foundation and Best Paper Award at IMT/NTNU (Regulations, August 2015)

Moan-Faltinsen Foundation

Establishment of the foundation:

The Moan-Faltinsen Foundation was established in connection with the 70 Years Anniversary Seminar and Celebration for Professors Torgeir Moan and Odd M. Faltinsen at the Department of Marine Technology (IMT), Norwegian University of Science and Technology (NTNU), which was held on May 19th-20th, 2014 in Trondheim, Norway. The foundation was initiated by Dr. Naiquan Ye at Marintek and some other Chinese PhD graduates from IMT, in order to memorialize the significant contributions of the two professors in both research and education to the field of marine technology and in particular to the Chinese research community.

The Moan-Faltinsen foundation was established with the donations from the Chinese PhD graduates supervised by Profs. Moan and Faltinsen and the Chinese post-docs, visiting scholars hosted by them at IMT, NTNU. The initial donation was 258 000 NOK as of August 31st, 2015.

There might be calls for donations in the future, which might be open for all the PhDs, post-docs and visiting scholars supervised or hosted by Profs. Moan and Faltinsen.

Organization and operation of the foundation:

A small organization, consisting of Dr. Naiquan Ye at Marintek and Prof. Zhen Gao at IMT/NTNU, is established to operate the Moan-Faltinsen foundation. The foundation starts to operate from September 1st, 2015. No administrative expenses are expected. The financial aspects of the foundation will be summarized by Dr. Ye by the end of every year and made available to all the donators.

Currently, the foundation is to financially support the Moan-Faltinsen Best Paper Award, which will be delivered at IMT/NTNU annually. The regulations for the Best Paper Award are set below. A summary about the applications and the award winners will be reported by Prof. Gao by the end of every year and made available to all the donators. The award winners will be announced at IMT/NTNU and at the universities they belong to.

Moan-Faltinsen Best Paper Award at IMT/NTNU

The purpose of the Moan-Faltinsen Best Paper Award is to promote research in the main areas of the two professors, marine structures and marine hydrodynamics. It is to award young students or researchers for their outstanding research work (presented in a scientific paper), to recognize their academic contributions and to encourage the young generation to pursue high-level research in the field of marine technology.

Maximum two papers annually and their first authors will be awarded. The awarded papers should have the research topics in the following two areas with one paper per area.

- **Marine structures**
- **Marine hydrodynamics**

The award winner of each paper will be rewarded 10 000 NOK with a certificate signed by Profs. Moan and Faltinsen, the Head of Department as well as the selection committee.

The award winners will be invited to attend a ceremony during the IMT-Marintek Christmas lunch (usually taking place in early December) at the Marine Technology Centre, Trondheim, Norway. The Head of Department at IMT/NTNU will announce the winners and present the awards. The Moan-Faltinsen Foundation will cover the expenses associated with the award winners' travel to this event.

Depending on the quality of the submitted papers, the number of the awarded papers is maximum two for each year, but it might be one or even zero.

Eligibility

In order for a paper to be considered for the award, the following eligibility criteria should be met:

- The first author of the paper should be a registered PhD student or an exchange PhD student, or a post-doc, or a visiting scholar at the following departments or universities
 - **IMT/NTNU, Norway**
 - **Shanghai Jiao Tong University (SJTU), China**
 - **Dalian University of Technology (DLUT), China**
 - **Harbin Engineering University (HEU), China**with an age limit of 35 years at the time when he or she applies for the award.
- The paper should be written in English and it must be already published in an academic journal at the time when the application is submitted. It must be published in the same fiscal year, from October 1st of the previous year to September 30th of the current year (which is the deadline for submission of the application).

- As indicated above, the paper must have a topic either on marine structures or on marine hydrodynamics. A paper might deal with research problems in both areas, and in that case the applicant should indicate to which area the paper has the main contribution.

Application

The first author of a candidate paper will be considered as an applicant and he/she must apply for the award by himself/herself. No nomination or recommendation by a reference person is required.

If the eligibility criteria are fulfilled, an applicant can participate in any year to the award competition with one paper per year.

The applicant is asked to submit the following application materials:

- **CV of one page**
- **A paper to be considered for the award with the evidence of its publication**
(The applicant should write on the first page of the paper, just before the title, the research area (either marine structures or marine hydrodynamics) that the paper should be considered for in connection with the award. The paper should be already published during the period from October 1st of the previous year to September 30th of the current year.)
- **A description about the applicant's and the coauthors' contribution to the paper**

The application from IMT/NTNU should be sent via email to Prof. Zhen Gao. The application from the three Chinese universities should be sent to their contact people in the two research areas and then it will be forwarded to Prof. Gao. The email addressed for all contact people are given in the table below.

	Marine structures	Marine hydrodynamics
SJTU	Prof. Wenyong Tang wytang@sjtu.edu.cn	Prof. Hua Liu hliu@sjtu.edu.cn
DLUT	Prof. Yi Huang huangyi@dlut.edu.cn	Prof. Bin Teng bteng@dlut.edu.cn
HEU	Prof. Xiongliang Yao yaoxiongliang@hrbeu.edu.cn	Prof. Wenyang Duan duanwenyang@hrbeu.edu.cn
IMT/NTNU	Prof. Zhen Gao zhen.gao@ntnu.no	

The applicant will receive a confirmation email with a registration number for his/her paper. **The deadline for submission of the application is September 30th every year.**

Selection committee

A local selection committee at IMT/NTNU, consisting of Prof. Zhen Gao and Prof. Marilena Greco, is set to screen the submitted papers with topics on marine structures and marine hydrodynamics, respectively. This screening process will result into around five papers for each area.

An international selection committee is established, with Prof. Preben Terndrup Pedersen at Technical University of Denmark and Prof. Rodney Eatock Taylor at Oxford University as members, to decide the award winners for the research areas of marine structures and marine hydrodynamics, respectively, based on an assessment of the papers selected by the screening process.

Selection criteria

The submitted papers will be evaluated in the screening process based on the selection criteria concerning in general the relevance, originality, significance, completeness and readability of the paper.

- *Relevance of the paper topic*
Research topics in the field of marine technology with focus on either marine structures or marine hydrodynamics.
- *Originality*
Original contribution to the knowledge in this field with new ideas, new methods, applications to new problems.
- *Academic significance*
Important and interesting research problems, theoretical, numerical and/or experimental developments, published in high-quality journals.
- *Completeness of the work*
Technical soundness, verification/validation, reproducibility, literature review.
- *Readability*
English language, structure of the paper, presentation of the results in tables and figures.

In the final selection of the awarded paper, the main criteria should be the quality of the paper. It means that the awarded paper should have addressed an important research problem. It should be published in one of the prestigious journals in the related areas and should potentially have a significant impact in our research community.

Working schedule

- Announcement of application for the Moan-Faltinsen Best Paper Award before **September 1st** (sent by the Head of Department at IMT/NTNU and the contact people at the three Chinese universities via email)
- Deadline for submission of the application and the paper: **September 30th**
- The local selection committee finishes the screening and sends the candidate papers to the international selection committee by **October 20th**
- The international selection committee decides the award winners by **November 10th**
- The award ceremony during the IMT-Marintek Christmas lunch (usually taking place in **early December**), with an announcement of the award winners by the Head of Department at IMT/NTNU
- The award money will be transferred to the winners before **December 31st**

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August 2015