**Assistant/Associate Professor Complex Ship Design**

**[Specifications]**

Faculty/Department 3mE / Maritime and Transport Technology

Job type Assistant Professor

Associate Professor

Academic Career track

Scientific field Xxx

Hours per week XX hours per week

Salary - € X.XXX,- - X.XXX,-

Desired level of education: PhD   
Vacancy number [generated automatically]

**Challenge**: Driving rapid transformation in an uncertain maritime environment.

**Change**: Developing novel design methods for ships of the future.

**Impact**: Securing safe, energy-efficient and future-proof shipping.

**[Job description]**

Over the centuries, shipping technology has evolved naturally and over long periods of time. Yet the current drive towards safe autonomous ships and zero emissions must be achieved within just twenty years. What makes these goals even more ambitious is the duration of journeys in a highly unpredictable and rough marine environment, which requires a whole new approach to shipbuilding and operations. Developing novel ship design methods to future-proof this vital sector will be your challenge as an Assistant or Associate Professor at TU Delft’s Ship Design, Production and Operations (SDPO) research group.

Based on your vision, you will create your unique research line, for the realisation of which you will write research proposals and attract funding from EU and Dutch programmes. You and your team of PhDs and postdocs, whom you’ll supervise to completion, will cover the ongoing transitions to either autonomy or zero emissions, including compliance, safety and economic viability, from a ship design perspective. Your research may include, but not limited to: a focus on the development of systems engineering for the maritime sector, the required robustness of systems or the challenges related to maintenance on ships with no crews. You’ll be working closely with leading maritime partners such as shipping companies, the navy, research institutes like TNO and MARIN, as well as leading design agencies and shipyards. In addition, you’ll disseminate your knowledge at conferences, through papers and non-scientific publications.

In addition, you will teach and supervise BSc and MSc students. You will also contribute to the development of the curriculum of SDPO research group and participate in our committees. You will join our diverse and highly motivated team of eight Assistant and Associate Professors, four teachers and some fifty PhD students. Sharing a drive to future-proof the maritime industry, we cultivate a friendly, collaborative and supportive environment, in which we reinforce each other and work towards overall group results. And you’ll get all the training and coaching you need, matching your level of experience, to grow your academic career.

**[Requirements}**

You share our drive to future-proof the maritime sector by initiating and conducting independent research, harnessing your in-depth knowledge of the sector. As you’ll be working closely with leading stakeholders in the sector, you know how to communicate with people from different backgrounds, inspiring and convincing them of your approach. You’re also very much part of our team, in which team results come first. And you enjoy the prospect of teaching and supervising students, while growing your own competencies.

You also have:

* A PhD in Ship Design, Naval Architecture or Maritime Technology.
* A demonstrable background or keen interest in the broad area of design methods, or sustainable design.
* A good command of spoken and written English, as you’ll be working in an internationally diverse community.
* A command of Dutch, or the willingness to learn the language, as your home base at TU Delft is bilingual.

**[Conditions of employment]**

[Automatically completed by recruitment system]

**[TU Delft (Delft University of Technology)]**

[Automatically completed by recruitment system]

**[Department]**

[Automatically completed by recruitment system

**Additional information**

If you would like more information about this role, please contact please contact [name], [role], email [email address].

If you would like more information about the selection procedure, please contact [name], [role], email [email address].

**Application procedure**

To apply, please complete the application form [link] and add the following documents to your application:

1. Motivation letter.
2. Detailed CV, including list of publications.
3. Recent teaching evaluations (if available).
4. Teaching statement.
5. Research statement.
6. Names and contact information of at least three relevant references. We will not contact references without your consent.

Please apply before [date].

After the first selection, video interviews will be held on [dates]. The interviews at TU Delft will take place on [dates].

**[Metatitle]**

Assistant or Associate Professor Complex Ship Design | TU Delft

**[Metadescription]**

Help future-proof shipping by developing novel ship design methodologies as Assistant or Associate Professor in Complex Ship Design at TU Delft.

**[Intro’s social media 3x]**

Driving the rapid transformation of the maritime industry requires a dramatic change in the ways ships are designed, covering all aspects related to semi-autonomous and autonomous sailing, as well as the transition to zero emissions. That’s your challenge as Assistant or Associate Professor in Complex Ship Design at TU Delft. Check the job post!

Would you like to contribute to world-class education and groundbreaking research geared to future-proofing the maritime sector? As Assistant or Associate Professor at TU Delft, you will develop novel ship design methods geared to overcoming the challenges of semi-autonomous and autonomous sailing, and the transition to zero emissions. Interested? Apply now!

To design the ships of the future, huge obstacles must be overcome. Securing safety and enabling maintenance in an often hostile marine environment are just two of those. It all starts with ship design and as Assistant or Associate Professor Complex Ship Design at TU Delft you will develop novel ship design methods. Are you up for the challenge? Apply now!

**[Relevant hashtags]**

#vacancy #workingatTUDelft #AssistantProfessor #tenuretrack #associateprofessor #autonomousship #complexship #shipdesign #sustainableshipping