**[Job title]**

**PhD Position Modelling of Regional Criminal Vulnerability and Supply Chains**

**[Specifications]**

Faculty/Department Faculty of Electrical Engineering, Mathematics and Computer Science (EEMCS)/INSY

Job type PhD-position

Scientific field Multimedia Computing

Hours per week XX-XX with a four-year contract

Salary €X,XXX - €X,XXX gross per month

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

**Challenge**: Gaining novel insights about criminal vulnerability in Europe’s most important ports.

**Change**: Developing new data analysis and modelling methods to provide an estimation of criminal activity.  
**Impact**: Tackling subversive crime and corruption to create future-proof ports and protect society.

**[Job description:]**

Ports are critical components of our globalised world, acting as hubs for the transportation of goods and materials that are essential to everyday life. However, they are also vulnerable to organised crime that threatens the safety and security of the port and its surrounding communities. This is one of the bigger societal challenges we face today. As a PhD in the Modelling of Regional Criminal Vulnerability and Supply Chains at TU Delft, a leading university in network science, you will be part of FORT-PORT, a project that aims to develop scientific methods to tackle this problem head-on. The project brings together experts from a range of universities and disciplines, including criminology, mathematics and computer science. One of the core goals is to create a predictive model of where and when crime is likely to occur, and how it’s organised, as well as a useable interface for that model.

You will be based at the Multimedia Computing Group in the Department of Intelligent Systems (INSY), co-supervised by Huijuan Wang from INSY and Robbert Fokkink from the Delft Institute of Applied Mathematics (DIAM). In your role, you will collaborate with FORT-PORT partners such as criminologists from Erasmus University Rotterdam, computer scientists from Utrecht University and security specialists from the Netherlands Defence Academy, as well as other scientists, governmental organisations and (port) companies to tackle crime and corruption in and around the port of Rotterdam. You will also combine network data analysis, multiscale models and data visualisation to provide a quantitative study of organised crime in the ports of cities such as Calais, Le Havre, Antwerp and Hamburg.

**[Job requirements: max. 7 bullets]**

You are a recent graduate looking to use your analytical skills and innate curiosity to create a better, safer world. While the necessary scientific skills are important, you must also be able to thrive in a complex multi-disciplinary team with many stakeholders.

You also have:

* An MSc degree in Computer Science, Electrical Engineering, Applied Mathematics, Applied Physics, or social sciences with specialisation in data analysis.
* Good programming skills.
* Some experience with network science, data analysis and complex systems is preferable.

Doing a PhD at TU Delft requires English proficiency at a certain level to ensure that you can interact well with others, participate in English-taught Doctoral Education courses, write scientific articles and a final thesis and share your research results with a wider audience. Ideally, you will also have some proficiency in Dutch. For more details please check the Graduate Schools Admission Requirements [add link].

**[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].

**[Apply now]**

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

1. A two-page motivation letter, explaining why you would like to work with us, your research interest, and experience related to the research field;
2. Degree transcripts;
3. An up-to-date CV;
4. The names and contact information of at least three relevant references. We will not contact references without your consent.

Please apply no later than [date].

**[Metatitle]**

PhD-position in the Modelling of Regional Criminal Vulnerability and Supply Chains | TU Delft

**[Metadescription]**

Join Delft University of Technology as a PhD-position in the Modelling of Regional Criminal Vulnerability and Supply Chains and help to make Europe’s ports safer.

**[Intros social media 3x]**

As a PhD in the Modelling of Regional Criminal Vulnerability and Supply Chains at TU Delft, you will develop new data analysis and modelling methods to provide an estimation of criminal activity in Europe’s most important ports. Based in Delft, your research will help us to gain novel insights about criminal vulnerabilities. Apply now.

Would you like to tackle subversive crime and corruption to create future-proof ports? As a PhD in the Modelling of Regional Criminal Vulnerability and Supply Chains at TU Delft, you will help safeguard Europe’s ports and the communities around them. Join us in Delft, and see what is possible.

Imagine being able to combine network data analysis, multiscale models and data visualisation to provide a quantitative study of organised crime in the ports of cities such as Calais, Le Havre, Antwerp and Hamburg. That’s exactly what you’ll be doing at TU Delft, a leading university in the field of network science. Join us in Delft as a PhD candidate in the Modelling of Regional Criminal Vulnerability and Supply Chains. Apply now.

**[Relevante hashtags]**

#Vacancy #WorkatTUDelft #PhDPosition #NetworkScience #CriminalVulnerability #CriminalSupplyChains #TUDelft #MultimediaComputing #CrimeFighting #SaferPorts #FutureofScience #FortPort #PortofRotterdam #FightingCrimewithScience #OrganisedCrime #SubversiveCrime #ElectricalEngineering #IntelligentSystems #AppliedMathematics #ComputerScience #AppliedPhysics #ModellingCrime #ScienceJobs #AcademicJobs