

Graduate Projects Computer Vision



Let's **si**quire your world



At Siqura, we build intelligent video solutions for industrial applications.

Applications

- Off-shore & Maritime
- Oil & Gas
- Critical Areas
- Traffic & Mobility
- Situational Awareness

Techniques

- Embedded Computer Vision
- Sensor Fusion
- Deep Learning
- Thermal Cameras
- 3D Processing

If these techniques and applications fit your interests, feel free to send us an e-mail to discuss traineeship opportunities and computer vision projects.

Send your CV and motivation letter to Anne Vossen (avossen@siqura.com) and Julien Vijverberg (jvijverberg@siqura.com) or find us at www.siqura.com



Example Projects Computer Vision

Embedded implementation Region Segmentation for Vessel Detection

Implement recent region segmentation algorithms onto an FPGA or DSP in our embedded camera platform.

Camera Localization

Make a camera localization and calibration method for our cameras applicable to our application areas which is easy to use by the installer.

Deep Learning for Multi-Sensor Detection Systems

Investigate how to apply deep learning principles to a multi-sensor detection system.

Sensor Fusion for Vessel Detection

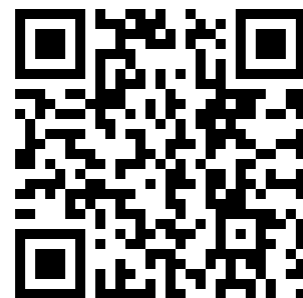
Combine microphones, thermal cameras, visible-light cameras and other sensors to detect approaching vessels to protect off-shore infrastructure.

Camera Stabilization by Fusion for Ship-Mounted Cameras

Implement a digital stabilization algorithm using multiple cameras and other sensors suitable for maritime scenarios.

On-line Learning Texture Classification

Implement an on-line learning algorithm to teach our cameras how to classify textures.



Extended project descriptions are available at <http://siqura.com/about-contact/employment>