



## **New technologies and interfaces for forensic face recognition**

**Presenter(s):** Ferruccio Cittadini, Jakob Verbeek

**Leader(s) / Moderator(s):** Jakob Verbeek

**Target audience:** Forensic and image processing experts

**Maximal number of participants:** 50

**Minimum number of participants:** 10

**Duration of workshop:** half a day

Today face recognition continues to play a fundamental role in criminal investigations. But despite some recent progress, the task of face recognition in uncontrolled conditions remains difficult because the faces, e.g. those captured by video surveillance cameras, tend to have low resolution, poor lighting and to have large pose variations.

This workshop presents novel technologies and intuitive and ergonomic interfaces for forensic face recognition that are the outcome of the *Physionomie* project. *Physionomie* is a French nationally funded 3 years project that brings together academic and industrial expertise on face recognition, with experts in ergonomic user interface design, to develop improved tools to support the forensic face recognition workflow.

The development is done in close collaboration with a variety of end-users which test and evaluate these tools. The workshop will give an overview of *Physionomie* results with a presentation of new facial recognition technologies and a demonstration of new software combining the latest image pre-processing and touch interface to benefit forensic experts.