



Day 1: Introduction to Halcon image processing library

- Introduction to HDevelop with practical examples - learn how to load images from the hard disk, or captured them live from the connected camera
- Introduction to specific HALCON methodologies
- Immersion in the field of segmentation.
- Ways in which source code in various programming languages can be exported from HDevelop.
- Introduction to HDevEngine
- Overview of the various tools which HALCON offers

Day 2: (Please talk to us about your exact task.)

Here are some examples:

- Introduction to the various matching algorithms with practical examples (live)"
- Camera calibration with live video stream (for example for one camera or stereo systems)
- Introduction to 3D image processing (technologies, techniques, stereo, RPP, shape from shading, triangulation etc.)
- Matching in 3D. State of the art, automated bin-picking example in HDevelop
- Introduction to various tools, using examples and live video captures from your application. For example, measurement, tracking, particle counting, positioning, completeness checking, blob, classification, barcode, OCR, color detection, texture detection, stitching and mosaicking of images, deskew and uncoil
- Visualization with HALCON
- Introduction to camera, optical, processing, I/O or illumination techniques

* Including drinks, lunch and certificate of participation.

www.theimagingsource.com



Lecturers:

Eckhard Kantz Msc,
Machine vision engineer and software developer with
33 years' experience, 9 of which are in image proces-
sing. MVTec certified Training Partner.

Patrick Gailer Msc,
Technical sales, training, component select and
project management in machine vision with 15 years
experience. MVTec certified Training Partner.

Location:

The Imaging Source Europe GmbH
Lise-Meitner-Str. 5,
D-82216 Gernlinden/Maisach
Phone: +49 8421 44477-0





How to get to the Gernlinden office:

By train:

- S-Bahn station "Gernlinden" (Train number "S3" from "Munich" direction "Maisach/Mammendorf")

Please let me know when you are arriving, and we will pick you up from the station.

By car:

- A99/A8, exit B471 ("Dachau/Fürstenfeldbruck"), direction "Fürstenfeldbruck".

A96, exit B471 ("Inning"), direction "Fürstenfeldbruck/Dachau".

2. Exit, direction "Maisach" (when approaching from "Fürstenfeldbruck", it is the first exit after the "4 FFB" exit.).

Go straight on at the roundabout (second exit).

After the rail bridge, take the first right (this is the second right, after the roundabout).

"Lise-Meitner-Str." is the first proper road on the left. After the bridge, look out for the printing plant "Abendzeitung/Frankfurter Allgemeine". You should be able to see this building from afar.

Drive almost to the entrance gate of the printing plant, but then follow the gravel road and drive almost back.

After the building on "Lise-Meitner-Str.", take the fifth right onto the parking lot and park in one of the parking spaces, marked with "T.I.S. GmbH".

Please be at our office by 9.00 AM.

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Lecturers:

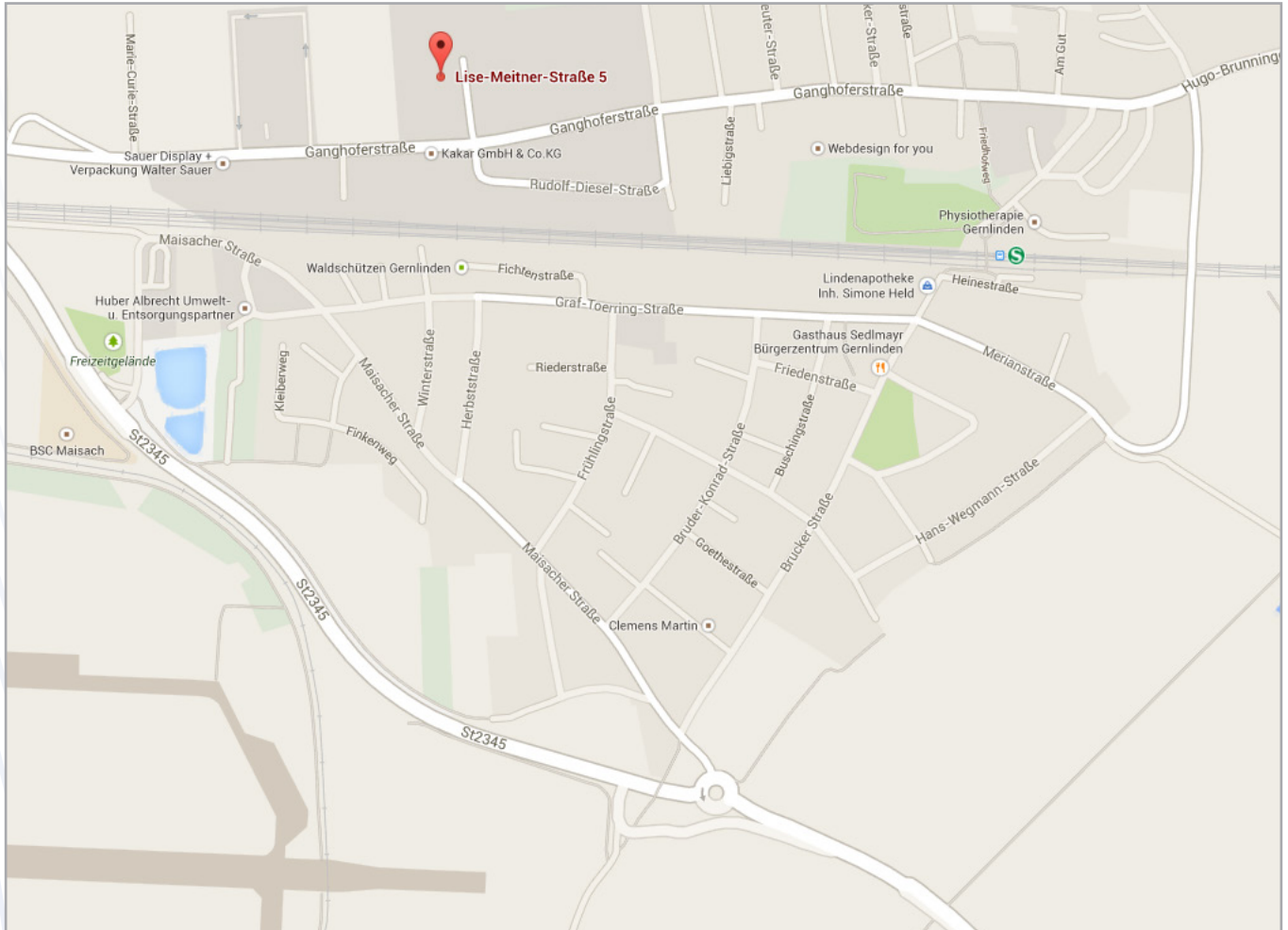
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