



3D STRIPELIGHT TRAINING COURSE OSLO SEPTEMBER 2 - 3, 2009

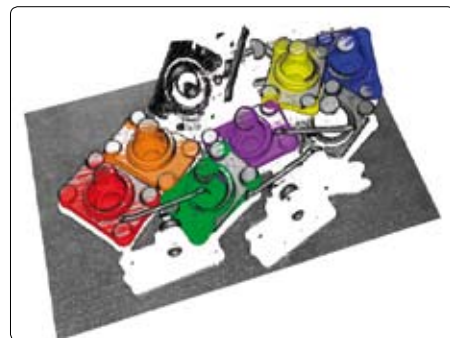
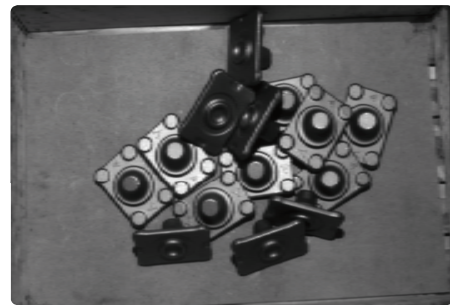
Join us and learn world class 3D measuring from the innovators behind Scorpion Vision Software®. Our stunning results in automatic 3D bin picking are demonstrated.

Learn 3D MaMa, a fundamental new approach for 3D position and pose estimation by Pairwise Manifold Matching.

The 2 days training course is based on the new Scorpion Vision Software® release 7 including Stereo Vision and 3D Robot Vision.



Stripelight projector and camera



The automotive parts are found in less than 1 second.

STRUCTURED LIGHT

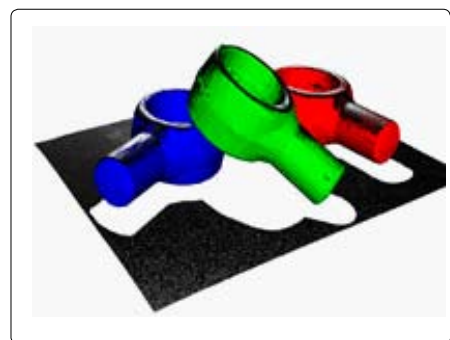
- The object is illuminated by light stripes and imaged from an angle
- The 3D shape of the object is calculated from the distortion of the light stripes
- Based on triangulation

OUR API FOR STRUCTURED LIGHT

- Works with any multimedia projector and a standard vision camera
- Field of view typical 0,1m² to 1m²

3D MEASUREMENTS

A key feature in Scorpion Vision Software® is the ability to create and use 3D images. The ability to combine 3D reference systems with any 2D image is unbeatable!



3D bin picking

VENUE

Tordivel AS
Storgata 20, N-0184 Oslo, Norway
Ph.: +47 2315 8700
Fax.: +47 23 15 8701

TIME

Day 1, 10:00 - 18:00
Day 2, 08:00 - 16:00

PRICE

600 € including 2 lunches and 1 social dinner.
Accommodation is not included and must be arranged by the participant.
The course fee must be paid prior to the course.

SCORPION VISION SOFTWARE®

- 3D CAPABILITIES WITHOUT PROGRAMMING!
- GENERIC FOR ALL PURPOSES
- GIGE SUPPORT
- MULTICORE SUPPORT
- TAILOR WITH PYTHON SCRIPTING, WEB INTERFACING, .NET AND ACTIVE-X CONTROLS

Scorpion Vision Software® is a registered trademark of Tordivel AS.



AGENDA

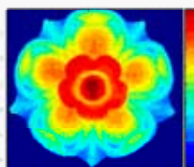
DAY 1		
10:00 - 10:30	Introduction	Presentation
10:30 - 11:00	Stripelight measurements	Presentation
11:00 - 12:30	Sintef; Results from the Auto3D project	Presentation
14:00 - 15:00	Introduction to Scorpion 3D	Presentation
15:00 - 16:00	Sintef; 3D stripelight theory	Presentation
16:00 - 17:00	3D MaMa, the new revolutionary solution for 3D bin picking	Presentation
17:00 - 18:00	3D Measurements	Presentation

DAY 2		
08:00 – 12:00	Stripelight calibration	Presentation Exercise
13:00 – 16:00	3D measurement using 3D models	Presentation Exercise

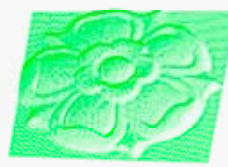
OUR PARTNERS IN THE AUTO3D PROJECT:



Object with pattern



Height Map



Point Cloud



Generated Surface

REGISTRATION

Registration latest August 26 to:

Tordivel AS
Phone +47 2315 8700
Fax +47 2315 8701
training@tordivel.com
www.scorpionvision.com



TORDIVEL

Note. All participants need to bring their own PC running Windows 2000, XP or Vista with administration rights. We recommend an external mouse.

Thor Vollset, Olav Johan Horgen and Helge Jordfald from Tordivel AS and Øystein Skotheim from Sintef will be your lecturers.