

Seminar Navigation II Summer Term 2008: Dates and Themes

1. 4. 2008

- Atzwanger Camera calibration for fish-eye lenses in endoscopy with an application to 3D reconstruction
Proc SPIE ISBI 2007
- Ertugrul Illustrations of neurosurgical techniques in early period of Ottoman empire bd
S. Sbuncouglu
Acta Neurochir **149**, 1063 - 1069 (2007).

8. 4. 2008

- Bickel Kannala. A generic camera model and calibration method for conventional, wide-angle and fish-eye lenses,
IEEE PAMI **28(8)** 1335-1340 (2006)
- Diakov Ultraschall und CAS in der Orbitachirurgie
HNO **55(10)** 754 - 757 (2007)

15. 4. 2008

- Ergün Pointing accuracy of a virtual stereographic pointer in a real stereoscopic video world
SPIE **1457**, 3122 - 3134 (1991).
- Yesil Comparison of laser surface scanning and fiducial marker-based registration in frameless stereotaxy
J. Neurosurg **106**, 704 - 709 (2007).

22. 4. 2008

- Özbek Open source software in medical informatics - why, how and what.
Int. J. Med. Inf. **69**, 175 - 184 (2003).
- NN

29. 4. 2008

- Bickel An introduction to multi-view geometry
Manuscript by haa@imm.dtu.dk
- Güler Registration techniques for computer navigation
Curr. Orthop. **21**, 170 - 179 (2007).

6. 5. 2008

- Reka Robust detection and ordering of ellipses on a calibration pattern.
Patt. Recogn. Image Anal. **17(4)**, 508 - 522 (2007).
- Atzwanger Uncalibrated stereo correspondence by singular value decomposition
Int Conf. Comp. Vis. Patt. Recogn. August 1997

20. 5. 2008

- Schwarm Robotic anterior and midline skull base surgery: preclinical investigations.
Int. J. Rad. Oncol. Biol. Phys. **69(2)**, Suppl., 125 - 128 (2007).

27. 5. 2008

- Özbek Image-guided surgical microscope with mounted minitracker.
J. Laryngol. Otol. **121**, 160 -162 (2007).
- Ergün Real-time stereographic rendering and display of medical images with programmable GPUs
Comp. Med. Imag. Graph. **32**, 118 - 123 (2008).

3. 6. 2008
Reka A fully automated calibration method for an optical see-through head-mounted operating microscope with variable zoom and focus.
IEEE TMI **24(11)**, 1492 - 1499 (2005).
Yesil The impact of advanced technologies on treatment deviations in radiation treatment delivery
Int. J. Rad. Oncol Biol. Phys. **69(5)**, 1579 - 1586 (2007).
10. 6. 2008
Ertugrul The benefits of ...
Diakov An image overlay system for medical data visualization
Med. Image Anal. **4**. 67 - 72 (2000).
17. 6. 2008
Güler A rational function lens distortion model for general cameras
D. Claus dclaus@robots.ox.ac.uk
23. 6. 2008
Schwarm Navigationsunterstützte tumorfokussierte Chirurgie bei Schädelbasismalignomen
HNO **55(6)**, 465 - 471 (2007).