Seminar "Auswertung von 3D-Daten"
Themenliste

Termin		Text(e)
12. 11.	*Thema 1*	Kamerakalibrierung (Klette et al. S. 41-63)
	Thema 2 *	Geometr. Grundlagen und Restriktionen zur Korrespondenzanalyse, Analyse mit mehr als 2 Kameras (Klette et al. S. 131-145 + 165-168)
19. 11.	*Thema 3 **	Korrespondenzanalyse (Klette et al. S. 145-164)
	Thema 4	Bernardini & Rushmeier (2002): The 3D model acquisition pipeline
26. 11.	*Thema 5 **	Seitz & Kim (2002): The space of all stereo images
	Thema 6	Seitz et al. (2002): Omnivergent stereo
3. 12.	*Thema 7 **	Amenta et al. (2001): The power crust + Amenta et al. (HTML): Power crust, unions of balls...
	Thema 8	Zheng (1994): Acquiring 3-D models from sequences of contours
10. 12.	*Thema 9*	Noborio et al. (1988): Construction of the octree approximating three-dimensional objects by using multiple views
	Thema 10*	Gong & Yang (2002): Genetic-based stereo algorithm and disparity map evaluation
7. 1.	*Thema 11*	Dornaika & Chung (2000): Cooperative stereo-motion: Matching and reconstruction
	Thema 12*	Roth (1999): Registering two overlapping range images + Edelsbrunner (1998): Shape reconstruction with Delaunay complex (nur Teil 1)
14. 1.	*Thema 13**	Johnson & Kang (1996+1997): Registration and integration of textured 3-D data *(für 2 Personen)*
	Thema 14*	
21. 1.	*Thema 15*	Kay & Caelli (1994): Inverting an illumination model from range and intensity maps
	Thema 16*	Neugebauer & Klein (1999): Texturing 3D models of real world objects from multiple unregistered photographic views
28. 1.	*Thema 17**	Bernardini et al. (2001): High-quality texture reconstruction from multiple scans
	Thema 18	Johnson & Hebert (1999): Using spin images for efficient object recognition in cluttered 3D scenes
4. 2.	*Thema 19**	Sumi et al. (2002): 3D object recognition in cluttered environments by segment-based stereo vision
	Thema 20	Stevens & Beveridge (2000): Localized scene interpretation from 3D models, range, and optical data

Themen mit " * " werden mit Priorität vergeben.

Weitere Themen zur Auswahl (bei besonderem Interesse):

Thema 21: Achour & Mahiddine (2002): Hopfield neural network based stereo matching algorithm

Thema 22: Eggert et al. (1998): Simultaneous registration of multiple range views for use in reverse engineering of CAD models

Thema 23: Soucy & Laurendeau (1995): A general surface approach to the integration of a set of range views