

Curriculum Vitae of Tomáš Werner

Date of birth 12/6/1969
Nationality Czech
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Employment History

9/83– 6/87 grammar school (gymnasium) in Trutnov, Czech Republic
9/87– 6/92 MSc studies at Faculty of Electrotechnical Engineering, Czech Technical University (FEL CVUT)
6/92 obtaining title “Ing” (equiv. to MSc; thesis *Illumination Models in Computer Graphics*)
10/92– 3/94 PhD studies at Dept. of Computers, FEL CVUT (neural networks)
4/94– 8/96 PhD studies at Center for Machine Perception (CMP), Dept. of Cybernetics, FEL CVUT
8/96– 1/01 researcher at CMP
4/99 obtaining title “PhD” (thesis *Image-Based Visualization of Real 3-D Scenes*)
2/01– 12/02 researcher at Visual Geometry Group, University of Oxford, U.K.
2/03– now researcher at CMP

Expertise

Computer vision, multiple view geometry, soft constraint satisfaction, pattern recognition, machine learning.

Selected Publications

1. T Werner, R D Hersch, and V Hlavac: Rendering real-world objects using view interpolation. In: 5th Intl. Conf. on Comp. Vision, Boston, USA, 1995. IEEE Comp. Society Press.
2. T Werner, R D Hersch, V Hlavac: Rendering Real-World Objects Using View Interpolation. In: 16th meeting of the Austrian Assoc. for Pattern Recognition, Maribor, Slovenia, May 1995. Österreichische Computer Gesellschaft, Heidelberg, Germany.
3. T Werner, T Pajdla, V Hlavac.: Efficient rendering of projective model for image-based visualization. In: 14th Intl. Conf. on Pattern Recognition, Brisbane, Australia, 1998. Intl. Assoc. for Pattern Recognition, IEEE Comp. Society Press.
4. T Werner, V Hlavac, A Leonardis, T Pajdla.: Selection of reference views for image-based representation. In: 13th Intl. Conf. on Pattern Recognition, Vienna, Austria, 1996. IEEE Comp. Society Press.
5. T Werner, T Pajdla, V Hlavac: Oriented Projective Reconstruction. In: Pattern Recognition and Medical Comp. Vision: 22-nd Workshop of the Austrian Assoc. for Pattern Recognition (ÖAGM/IAPR), 1998. Österreichische Computer Gessellschaft, Wien.
6. T Werner, T Pajdla: Oriented Matching Constraints. In: 12th British Machine Vision Conf., 2001. British Machine Vision Assoc.
7. T Werner, A Zisserman: New Techniques for Automated Architectural Reconstruction from Photographs. In: 7th European Conference on Computer Vision, 2002, Springer-Verlag.
8. O Chum, T Werner, T Pajdla: Joint Orientation of Epipoles. In: 14th British Machine Vision Conf., 2003. British Machine Vision Assoc.
9. T Werner: Constraint on Five Points in Two Images. In: Comp. Society Conf. on Computer Vision and Pattern Recognition, 2003. IEEE Comp. Society Press.
10. T Werner: Combinatorial Constraints on Multiple Projections of a Set of Points. In: 9th Intl. Conf. on Comp. Vision, Nice, France, 2003. IEEE Comp. Society Press.
11. O Chum, T Werner, J Matas: Two View Geometry Estimation Unaffected by Dominant Plane. In: Computer Vision and Paatern Recognition Conf., 2005. IEEE Comp. Society Press.
12. T Werner: A Linear Programming Approach to Max-sum Problem: A review. In: IEEE Trans. on Pattern Analysis and Machine Intelligence, 29(7), July 2007
13. T Werner: What Is Decreased by the Max-sum Arc Consistency Algorithm? In: Intl. Conf. on Machine Learning, Oregon, USA, 2007.

Selected Awards

- ÖAGM'95 Best Paper Award for paper 2
- ÖAGM'98 Best Paper Award for paper 5
- CVPR'03 Best Paper Honourable Mention for paper 9.
- The second place in ICCV'05 Computer Vision Contest (as one of co-authors).
- Outstanding Reviewer Award at CVPR'07.

Memberships in Programme Committees of International Conferences

ECCV'04, CVPR'05, ICCV'05, BMVC'05, ECCV'06, ACCV'06, CVPR'06, CVPR'07, ICCV'07.

Participation in Projects

FP5-IST-2001-32184 (ACTIPRET), INTAS 04-77-7347 (PRINCESS), FP6-IST-004176 (COSPAL)