

ANTHONY DICK

PERSONAL INFORMATION

- Nationality: Australian
- Date of Birth: 19-08-1975

EDUCATION

1994 - 1997 University of Adelaide Adelaide, South Australia
Bachelor of Mathematical and Computer Sciences (with First Class Honours)

1998 - 1999 University of Cambridge Cambridge, UK
Master of Philosophy (Engineering) – Computer Vision

1998 – 2001 University of Cambridge Cambridge, UK
Doctor of Philosophy (Engineering) [expected]

- Automatic reconstruction of 3D architectural models from image sequences.
- Experience with structure from motion, camera calibration, reconstruction, Bayesian techniques.

AWARDS

- 1995 J. H. Michael Prize for Pure Mathematics
- 1996 Australian Computer Society Prize for Computer Science
- 1996 BankSA Prize for Computer Science
- 1997 Alumni Medal for Outstanding Academic Merit
- 1998 Cambridge Commonwealth Trust Scholarship for PhD study at Cambridge University
- 1999 Microsoft Research supplementary scholarship

SUMMER JOBS

1996 - 1997 Defence Science and Technology Organisation, Australia

PROGRAMMING SKILLS

Languages/APIs: C/C++, OpenGL, Ada, Matlab

Comfortable in Windows95/98/ME or Unix (Irix, Solaris) environment

PUBLICATIONS

A. Dick, P.Torr, S. Ruffle, R. Cipolla. **Combining Single View Recognition and Multiple View Stereo for Architectural Scenes.**, *Proc. 8th IEEE International Conference on Computer Vision (ICCV'01)* Vancouver, July 2001, to appear.

A. Dick, P.Torr, R. Cipolla. **Automatic 3D modelling of architecture.**, *Proc. 11th British Machine Vision Conference (BMVC'00)* Bristol, September 2000, pp 372-381.

P.Torr, A. Dick, R. Cipolla. **Layer extraction with a Bayesian model of shapes.**, *Proc. 6th European Conference on Computer Vision (ECCV'00)* Dublin, June 2000.

A. Dick, R. Cipolla. **Model refinement from planar parallax.**, *Proc. 10th British Machine Vision Conference (BMVC'99)* Nottingham, Sep. 1999, pp 73-82.

J. Magarey, A. Dick, M.J. Brooks, G. Newsam, A. van den Hengel. **Incorporating the epipolar constraint into a multiresolution algorithm for stereo image matching.** *Applied Informatics '99*, Innsbruck, Feb. 1999

Brooks M., Chojnacki W., Dick A., van den Hengel A., Kanatani K., Ohta N. **Incorporating optical flow information into a self-calibration procedure for a moving camera.** *SPIE Videometrics VI*, San Jose, January 1999. SPIE Proceedings, Vol. 3641, pp. 183-192.

Magarey J. and Dick A., **Multiresolution stereo image matching using complex wavelets.** *Proc. 14th Int. Conf. on Pattern Recognition (ICPR '98)*, Brisbane, Australia, August 1998, Vol. I, pp. 4-7

REFEREES

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