

Curriculum Vitae

DR. ROLAND GOECKE

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PERSONAL INFORMATION

Date of Birth: 7 September 1972
Place of Birth: Rostock, Germany
Nationality: German

EDUCATION

1998-2002 Ph.D. in Computer Science & Technology, Australian National University, Canberra, Australia (awarded July 2004), under the supervision of Dr Bruce Millar, Prof Alex Zelinsky and Dr Jordi Robert-Ribes
Developed a system to study the statistical relationship between auditory and visual speech parameters on the example of Australian English
Designed and created first comprehensive audio-visual speech data corpus for Australian English and statistically analysed the corpus
Thesis "A Stereo Vision Lip Tracking Algorithm and Subsequent Statistical Analyses of the Audio-Video Correlation in Australian English", examiners Dr Jean-Luc Schwartz, IDP-INRIA, Grenoble, France and Prof Robyn Owens, University of Western Australia, Perth, Australia
ASSTA PhD of the Year Award 2004

1992-1998 M.Sc. (with distinction) in Computer Science (German degree *Diplom-Informatiker*), University of Rostock, Germany
Specialised in computer graphics, computer vision and mathematical optimisation methods
Thesis "Fast Volume Rendering Methods for 2D/3D Registration of Medical Images", examiners Prof Heidrun Schumann, University of Rostock, and Dr Juergen Weese, Philips Research Laboratories Hamburg

1994-1995 Diploma (with distinction) in Computer Science, University of Kent at Canterbury, UK
Self-organised overseas study experience

1987-1991 Special School for Mathematics, Sciences and Technology, Rostock, Germany

PROFESSIONAL EXPERIENCE

- 2007-present Senior Research Scientist, Seeing Machines, Canberra, Australia
Working on computer vision algorithms, in particular for face and facial feature tracking applications
- 2004-present Research fellow (adjunct), Department of Information Engineering, Research School of Information Sciences and Engineering, Australian National University, Canberra, Australia
Supervision of PhD and Masters students as well as summer scholars
- 2004-2007 Researcher, National ICT Australia, Autonomous System and Sensing Technologies, Canberra, Australia
Working on computer vision and multimodal sensing systems
- 2002-2004 Research fellow, Fraunhofer Institute for Computer Graphics, Dept. Human-Centered Interaction Technologies, Rostock, Germany
Chief investigator of 2 projects in image processing (historic music scores) and human-computer interaction (monitoring of facial expressions)
Supervision of undergraduate students' projects
- 2001 Research internship, Audio Visual Speech Technologies Group, IBM T.J. Watson Research Center, Yorktown Heights, USA
Researched methods for acoustic noise reduction for automatic speech recognition on the basis of audio-visual speech information
- 1998 Graduate research assistant, Institute of Computer Graphics, Department of Computer Science, University of Rostock, Germany
Investigated hierarchical rendering methods for PDAs
- 1997 Research for Masters thesis, Philips Research Laboratories, Division Technical Systems, Hamburg, Germany
Implemented and optimised fast volume rendering methods in medical imaging systems
- 1996-1997 Undergraduate research assistant, Institute of Computer Graphics, Department of Computer Science, University of Rostock, Germany
Designed and implemented a test environment for automatic surface fairing algorithms for free-form surfaces
- 1995 Research internship, Philips Research Laboratories, Division Technical Systems, Hamburg, Germany
Implemented and studied methods for 3D registration of multi-modal medical images

CURRENT RESEARCH PROJECTS

Face and facial feature tracking

From Talking Head to Thinking Heads, jointly funded ARC and NHMRC 'Thinking Systems' project with University of Western Sydney, Macquarie University, Flinders University, and the University of Canberra (5 years)

CURRENT RESEARCH INTERESTS

Robust head, face, and facial feature tracking

Infrared imaging for tracking and health applications, computer vision beyond the visible spectrum

Image feature detection, tracking and classification

Natural human-computer interaction and perceptual user interfaces

Structural pattern recognition

Affective sensing/computing

Signal processing

Audio-visual speech processing

RELEVANT COMPUTER SKILLS

Design and implementation of software systems on Unix/Linux and Windows platforms

Programming languages C/C++, Java, Perl, Pascal, Basic, HTML

OpenGL graphics library, OpenCV computer vision library

Image processing and computer vision methods

Visualisation techniques

Mathematical and statistical software systems Matlab and R / S-PLUS

Speech processing with ESPS / waves+ and Hidden Markov Toolkit HTK

PROFESSIONAL AFFILIATIONS

IEEE Computer Society

IEEE Signal Processing Society

International Speech Communication Association ISCA

Australian Speech Science and Technology Association ASSTA, elected member of the executive since December 2004

ARC Research Network “Human Communication Sciences Network”

Australian Pattern Recognition Society

GRANTS RECEIVED

- | | |
|------|---|
| 2007 | ASSTA Research Event and ISCA ITRW grants for International Workshop on Auditory-Visual Speech Processing (AVSP2008), \$6.6k |
| 2007 | HCSNet Research Event grant for workshop on the use of vision in HCI (VisHCI 2007), \$11k, additional sponsorship of \$2k from other sponsors |
| 2006 | HCSNet Research Event grant for workshop on the use of vision in HCI (VisHCI 2006), \$25k, additional sponsorship of \$6k from other sponsors |
| 2005 | ARC Special Research Initiative (SRI) eResearch grant “DADA-HCS: Distributed Access and Data Annotation for the Human Communication Sciences”, \$145k for 12 months |
| 2005 | Travel grant, Australian Speech Science and Technology Association, Canberra, Australia |
| 2004 | Travel grant, Australian Speech Science and Technology Association, Canberra, Australia |
| 1994 | Travel grant, German Academic Exchange Service DAAD, Bonn, Germany |

SCHOLARSHIPS AND AWARDS

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| 2005 | Nominated for Vice-Chancellor’s Award for Excellence in Supervision, Australian National University, Canberra, Australia |
| 2004 | PhD of the Year award, Australian Speech Science and Technology Association, Canberra, Australia |
| 1998-2002 | ANU Ph.D. Scholarship and Vice-Chancellor Tuition Scholarship, Australian National University, Canberra, Australia |
| 1998-2002 | Top-up Scholarship, Cooperative Research Centre for Advanced Computational Systems, Canberra, Australia |

1994-1995 Study Abroad Scholarship, German Academic Exchange Service
DAAD, Bonn, Germany

PUBLICATIONS (REFEREED)

J. Saragih and R. Goecke. **A Nonlinear Discriminative Approach to AAM Fitting**. To appear in *Proceedings of the Eleventh IEEE International Conference on Computer Vision ICCV2007*, Rio de Janeiro, Brazil, 14-20 October 2007. IEEE. (Accepted)

H.T. Ho and R. Goecke. **Automatic Parametrisation for an Image Completion Method Based on Markov Random Fields**. To appear in *Proceedings of the 2007 IEEE International Conference on Image Processing ICIP2007*, San Antonio (TX), USA, 16-19 September 2007. IEEE. (Accepted)

G. McIntyre and R. Goecke. **Towards Affective Sensing**. In *Proceedings of the 12th International Conference on Human-Computer Interaction HCI2007*, Vol. 3, pp. 411-420, Lecture Notes in Computer Science LNCS 4552, Beijing, China, 22-27 July 2007. Springer.

C. Peter, R. Schultz, J. Voskamp, B. Urban, N. Nowack, H. Janik, K. Kraft, and R. Goecke. **Evaluating the EREC-II sensor system for sensing affective states and monitoring human performance**. In *Proceedings of the 12th International Conference on Human-Computer Interaction HCI2007*, Vol. 3, pp. 465-474, Lecture Notes in Computer Science LNCS 4552, Beijing, China, 22-27 July 2007. Springer.

J. Saragih and R. Goecke. **Monocular and Stereo Methods for AAM Learning from Video**. *Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition CVPR2007*, Minneapolis (MN), USA, 18-23 June 2007. IEEE.

R. Goecke, A. Asthana, N. Petterson, and L. Petersson. **Visual Vehicle Egomotion Estimation using the Fourier-Mellin Transform**. *Proceedings of the 2007 IEEE Intelligent Vehicles Symposium IV'07*, pages 450-455, Istanbul, Turkey, 13-15 June 2007. IEEE.

R. Goecke, N. Petterson, and L. Petersson. **Towards Detection and Tracking of On-Road Objects**. *Proceedings of the 2007 IEEE Intelligent Vehicles Symposium IV'07*, pages 416-421, Istanbul, Turkey, 13-15 June 2007. IEEE.

R. Goecke, A. Robles-Kelly, and T. Caelli (Eds.). **Proceedings of the HCSNet Workshop on the Use of Vision in HCI (VisHCI2006)**. *Conferences in Research and Practice in Information Technology*, Vol. 56, Canberra, Australia, 1-3 November 2006. Australian Computer Society.

G. McIntyre and R. Goecke. **Researching Emotions in Speech**. In *Proceedings of the Eleventh Australasian International Conference on Speech Science and*

Technology SST2006, pp. 264-269, Auckland, New Zealand, 6-8 December 2006. ASSTA.

J.M. Saragih and R. Goecke. **Learning Active Appearance Models from Image Sequences.** In *Proceedings of the HCSNet workshop on the Use of Vision in HCI VisHCI2006*, Vol. 56, pp. 51-60, Canberra, 1-3 November 2006. ACS.

J.M. Saragih and R. Goecke. **Iterative Error Bound Minimisation for AAM Alignment.** In *Proceedings of the 18th International Conference on Pattern Recognition ICPR2006*, Vol. 2, pp. 1192-1195, Hong Kong, 20-24 August 2006. IEEE.

A. Robles-Kelly and R. Goecke. **A Wavelet-based Approach to Image Feature Stability Assessment.** In *Proceedings of the Beyond Patches Workshop at the IEEE Computer Society Conference on Computer Vision and Pattern Recognition CVPR2006*, CD-ROM, New York, USA, 17-22 June 2006. IEEE.

R. Goecke. **Audio-Video Automatic Speech Recognition: An Example of Improved Performance through Multimodal Sensor Input.** In Fang Chen and Julien Epps (eds.), *Proceedings of the NICTA-HCSNet Multimodal User Interaction Workshop (MMUI2005)*, Conferences in Research and Practice in Information Technology, Vol. 57, pp. 25-32, Sydney, Australia. Australian Computer Society.

R. Goecke. **Current Trends in Joint Audio-Video Signal Processing: A Review.** In *Proceedings of the IEEE Eighth International Symposium on Signal Processing and Its Applications*, pp. 70-73, Sydney, Australia, 29 Aug - 1 Sep 2005. IEEE.

R. Goecke. **3D Lip Tracking and Co-inertia Analysis for Improved Robustness of Audio-Video Automatic Speech Recognition.** In *Proceedings of the Auditory-Visual Speech Processing Workshop AVSP 2005*, pp. 109-114, Vancouver Island, Canada, 24 - 27 July 2005.

R. Goecke and J.B. Millar. **A Detailed Description of the AVOZES Data Corpus.** *Proceedings of the 10th Australian International Conference on Speech Science and Technology SST2004*, pp.486-491, Sydney, Australia, 8 - 10 December 2004. ASSTA.

R. Goecke and J.B. Millar. **The Audio-Video Australian English Speech Data Corpus AVOZES.** *8th International Conference on Spoken Language Processing INTERSPEECH 2004 - ICSLP*, Volume III, pp.2525-2528, Jeju, Korea, 4-8 October 2004. ISCA.

J.B. Millar, M. Wagner, and R. Goecke. **Aspects of Speaking-Face Data Corpus Design Methodology.** *8th International Conference on Spoken Language Processing INTERSPEECH 2004 - ICSLP*, Volume II, pp.1157-1160, Jeju, Korea, 4-8 October 2004. ISCA.

S. Mader, C. Peter, R. Goecke, R.Schultz, J. Voskamp, B. Urban. **A Freely**

Configurable, Multi-modal Sensor System for Affective Computing. In E. Andre (ed.), *Proceedings of Tutorial and Research Workshop on Affective Dialogue Systems ADS'04*, Lecture Notes in Artificial Intelligence 3068, pp.313-318, Kloster Irsee, Germany, 14-16 June 2004. Springer-Verlag.

R. Goecke. **A Stereo Vision Lip Tracking Algorithm and Subsequent Statistical Analyses of the Audio-Video Correlation in Australian English.** *PhD Thesis*, Australian National University, Canberra, Australia, May 2004.

A. Waczkat, E. Krueger, T. Schwinger, A. Heuer, T. Ignatova, B. Urban, R. Goecke. **eNoteHistory - Identifizierung von Schreiberhänden in historischen Notenhandschriften mit Werkzeugen der modernen Informationstechnologie.** *aibm Forum Musikbibliothek*, 1/2004.

R. Goecke, J.B. Millar. **Statistical Analysis of the Relationship between Audio and Video Speech Parameters for Australian English.** *ISCA Tutorial and Research Workshop on Audio Visual Speech Processing AVSP 2003*, pp.133-138, St Jorioz, France, 4-7 September 2003

R. Goecke. **Building a System for Writer Identification on Handwritten Music Scores.** *LASTED International Conference on Signal Processing, Pattern Recognition, and Applications SPPRA 2003*, pp.250-255, Rhodes, Greece, 30 June - 2 July 2003

R. Goecke, J. Voskamp. **Optische Mimikanalyse.** In *Multimedia & Bildung: Beiträge zu den 4. InK-Tagen Mecklenburg-Vorpommern*, pp.192-196, IRB Verlag, Stuttgart, Germany, 2003

R. Goecke, J. Voskamp, E. Krueger, T. Schwinger, I. Bruder, A. Finger, A. Heuer, T. Ignatova. **Ein System zur Identifikation der Schreiber von historischen Musikhandschriften.** In *Multimedia & Bildung: Beiträge zu den 4. InK-Tagen Mecklenburg-Vorpommern*, pp.197-202, IRB Verlag, Stuttgart, Germany, 2003

R. Goecke, G. Potamianos, and C. Neti. **Noisy Audio Feature Enhancement Using Audio-Visual Speech Data.** *Proceedings of the 2002 IEEE International Conference on Acoustics, Speech, and Signal Processing ICASSP 2002*, Vol. 2, pp. 2025-2028, Orlando, USA, 12-17 May 2002

R. Goecke, J.B. Millar, A. Zelinsky, and J. Robert-Ribes. **Analysis of Audio-Video Correlation in Vowels in Australian English.** *Proceedings of the International Conference on Auditory-Visual Speech Processing AVSP 2001*, pp. 115-120, Aalborg, Denmark, 7-9 September 2001

R. Goecke, J.B. Millar, A. Zelinsky, and J. Robert-Ribes. **Stereo Vision Lip-Tracking for Audio-Video Speech Processing.** *The 2001 IEEE International Conference on Acoustics, Speech, and Signal Processing ICASSP 2001 (Student Paper)*, Salt Lake City, USA, 7-11 May 2001

G. Loy, R. Goecke, S. Rougeaux, and A. Zelinsky. **Stereo 3D Lip Tracking**. Proceedings of the *6th International Conference on Control, Automation, Robotics and Vision ICARCV2000* (CD-ROM only), Singapore, 5-8 December 2000

R. Goecke, Q.N. Tran, J.B. Millar, A. Zelinsky, and J. Robert-Ribes. **Validation of an Automatic Lip-Tracking Algorithm and Design of a Database for Audio-Video Speech Processing**. Proceedings of the *8th Australian International Conference on Speech Science and Technology SST-2000*, pp. 92-97, Canberra, Australia, 4-7 December 2000

R. Goecke, J.B. Millar, A. Zelinsky, and J. Robert-Ribes. **Automatic Extraction of Lip Feature Points**. Proceedings of the *Australian Conference on Robotics and Automation ACRA 2000*, pp. 31-36, Melbourne, Australia, 30 August - 1 September 2000

C.-W. Jo, R. Goecke, and J.B. Millar. **Collection of Korean Audio-Video Speech Data**. *Speech Sciences*, Vol. 7(1), pp. 5-15, March 2000

R. Goecke, J. Weese, and H. Schumann. **Fast Volume Rendering Methods for Voxel-based 2D/3D Registration - A Comparative Study**. Proceedings of *International Workshop on Biomedical Image Registration WBIR'99*, pp. 89-102, Bled, Slovenia, 30-31 August 1999

C.-W. Jo, R. Goecke, and J.B. Millar. **Collection of Korean Audio-Video Speech Data**. Proceedings of the *1999 Oriental COCODA Workshop*, pp. 73-76, Taipei, Taiwan, 12-14 May 1999

J. Weese, R. Goecke, G.P. Penney, P. Desmedt, T.M. Buzug, and H. Schumann. **Fast voxel-based 2D/3D registration algorithm using a rendering method based on the shear-warp factorization**. In *Medical Imaging 1999: Image Processing*, K.M. Hanson, Ed., Proceedings of SPIE Vol.3661, pp. 802-810, 1999

R. Goecke. **Fast Volume Rendering Methods for 2D/3D Registration**. *Masters thesis*, University of Rostock, Germany, January 1998

R. Goecke. **A Testbed for Surface Fairing Algorithms for Free-Form Surfaces**. *Minor thesis*, University of Rostock, Germany, June 1997

PUBLICATIONS (OTHER)

R. Goecke, A. Robles-Kelly, and T. Caelli (eds.). **Proceedings of the HCSNet Workshop on the Use of Vision in HCI (VisHCI 2006)**. Conferences in Research and Practice in Information Technology Series, Vol. 56, Canberra, Australia, November 2006. Australian Computer Society. (in print)

R. Goecke. **eNoteHistory – Analysing handwritten music scores.** *Computer Graphics topics*, Vol. 16(2), pp.35-36, 2004.

R. Goecke. **FAMIA - Facial Mimic Analysis.** *Computer Graphics topics*, Vol. 15(2), pp.29-30, 2003.

R. Goecke. **3D Registration of Multi-Modality Medical Images by Use of Voxel-Similarity-Based Measures.** In *Proceedings of Graphics & Web'96*, Dresden, Germany, 6-8 December 1996.

CONFERENCE ATTENDANCE

Presentations

- 2006 NICTA-HCSNet Effective Interactive Interfaces Workshop, oral presentation, Sydney, Australia
- 2006 Beyond Patches Workshop at the IEEE Computer Society Conference on Computer Vision and Pattern Recognition CVPR2006, oral presentation, New York, USA, 17-22 June 2006.
- 2005 NICTA-HCSNet Multimodal User Interaction Workshop (MMUI2005), oral presentation, Sydney, Australia
- 2005 IEEE Eighth International Symposium on Signal Processing and Its Applications ISSPA2005, oral presentation, organiser and chair of special session on “Joint Audio-Video Signal Processing and Its Applications”, Sydney, Australia
- 2005 Auditory-Visual Speech Processing AVSP2005, oral presentation, Vancouver Island, Canada
- 2005 2nd Joint Workshop on Multimodal Interaction and Related Machine Learning Algorithms MLMI'05, poster presentation, Edinburgh, UK
- 2005 Gestural Interaction Workshop GIW'05, oral presentation, Sydney, Australia
- 2004 10th Australian International Conference on Speech Science and Technology SST2004, oral presentation, Sydney, Australia
- 2004 8th International Conference on Spoken Language Processing Interspeech 2004 – ICSLP, poster presentation, Jeju, Korea
- 2003 ISCA Tutorial and Research Workshop on Audio Visual Speech Processing AVSP 2003, oral presentation, St Jorioz, France
- 2003 IASTED International Conference on Signal Processing, Pattern Recognition, and Applications SPPRA 2003, oral presentation, Rhodes, Greece
- 2003 4. Information- und Kommunikations-Tage Mecklenburg-Vorpommern, oral

- presentation, Rostock, Germany
- 2002 International Conference on Web Delivery of Music 2002, oral presentation, Darmstadt, Germany
- 2001 Audio-Visual Speech Processing AVSP'01, oral presentation, Aalborg, Denmark
- 2001 ICASSP 2001, poster presentation, Salt Lake City, USA
- 2000 Speech Science and Technology SST-2000, oral presentation, Canberra, Australia
- 2000 Australasian Conference on Robotics & Automation ACRA2000, oral presentation, Melbourne, Australia
- 1999 International Workshop on Biomedical Image Registration WBIR'99, oral presentation, Bled, Slovenia
- 1996 Graphics & Web'96, oral presentation, Dresden, Germany
- Attendance Only*
- 2006 Speech Science and Technology SST2006, Auckland, New Zealand, Poster presentation by my PhD student Gordon McIntyre
- 2006 HCSNet Workshop on the Use of Vision in Human-Computer Interaction VisHCI 2006, Canberra, Australia, Oral presentation by my PhD student Jason Saragih, Workshop co-chair and proceedings co-editor
- 2006 IEEE Computer Society Conference on Computer Vision and Pattern Recognition CVPR2006, New York, USA
- 2006 Australian Sports Technology Conference, Canberra, Australia
- 2006 ICPR 2006, Hong Kong, Oral presentation by my PhD student Jason Saragih
- 2001 Eurospeech'01, Aalborg, Denmark
- 1999 Eurospeech'99, Budapest, Hungary
- 1999 Computer Analysis of Images and Patterns CAIP'99, Ljubljana, Slovenia
- 1998 ICSLP'98, Sydney, Australia
- 1998 Audio-Visual Speech Processing AVSP'98, Terrigal, Australia

INVITED PRESENTATIONS

- 2007 “Face Tracking and Its Applications”, University of Canberra, School of Information Science and Engineering, Canberra, Australia
- 2006 “Recent Work on Active Appearance Models and 3D Lip Tracking”, IBM TJ Watson Research Center, Yorktown, USA
- 2005 “Multimodal Affective Sensing using Infrared Imaging”, Carnegie-Mellon University, Advanced Multimedia Processing Lab, Pittsburgh, USA
- 2005 “Multimodal Affective Sensing”, University of Western Australia, Department of Computer Science & Software Engineering, Perth, Australia
- 2003 “Correlation of Audio and Video Speech Parameters in Australian English”, Indiana University Purdue University Indianapolis, Department of Computer and Information Science, Indianapolis, USA
- 2003 “Correlation of Audio and Video Speech Parameters in Australian English”, Beckman Institute for Advanced Science and Technology, Department of Human-Computer Intelligent Interaction, University of Illinois at Urbana-Champaign, Urbana-Champaign, USA
- 2002 “Automatic Lip Tracking using Stereo Vision”, Philips Research Laboratories, Department of Medical Imaging, Aachen, Germany

STUDENT SUPERVISION

- 2007-present Asim Khwaja, PhD student, Australian National University, Chair of supervisory panel
- 2006-present Desmond Chik, PhD student, Australian National University, Co-supervisor
- 2006-present Surya Prakash, PhD student, Australian National University, Co-supervisor
- 2006-present Quang Anh Nguyen, PhD student, Australian National University, Co-supervisor
- 2006-present Tim Raupach, Masters student, Australian National University, Co-supervisor
- 2005-present Gordon McIntyre, PhD student, Australian National University, Chair of supervisory panel
- 2005-2006 Tobias Lott, Visiting Masters Student doing his Masters Thesis, University of Applied Science Konstanz, Germany, Primary supervisor
- 2005-2006 Matthias Winkler, Visiting Masters Student doing his Masters Thesis, University of Applied Science Karlsruhe, Germany, Primary supervisor

2005-2006	Arne Arnold, Visiting Masters Student doing his Masters Thesis, University of Applied Science Mannheim, Germany, Primary supervisor
2005-2006	Damitha Gunawardena, Summer scholar, University of Adelaide, Australia, Primary supervisor
2005	Akshat Bal Dikshit, Research intern, IIT Bombay, Mumbai, India, Primary supervisor
2004-present	Jason Saragih, PhD student, Australian National University, Chair of supervisory panel
2004-2005	Ian Wilson, Summer scholar, Australian National University, Canberra, Australia, Co-supervisor
2003-2004	Ronny Kaeding, Research Intern, University of Rostock / Fraunhofer IGD, Rostock, Germany, Primary supervisor
2002-2004	Karsten Wagenknecht, Research intern, University of Rostock / Fraunhofer IGD, Rostock, Germany, Primary supervisor
2000-2001	Quynh Nhu Tran, Summer scholar, University of NSW, Sydney, Australia, Primary supervisor

LANGUAGES

Fluent in German and English

Can understand and communicate in Spanish, Swedish, French, Russian

EXTRACURRICULAR ACTIVITIES

2007	Co-chair and organiser of the HCSNet Workshop on the Use of Vision in HCI (VisHCI 2007), Adelaide, Australia
2007	Co-chair and organiser of the Workshop on Non-rigid Registration and Tracking through Learning at ICCV2007, Rio de Janeiro, Brazil
2006-present	Member of conference organising committee for Interspeech 2008, Brisbane, Australia, responsible for technical systems
2006-present	Chair of conference organising committee for AVSP 2008, Queensland, Australia
2006-2007	Supervisor of 2 undergraduate summer scholars, NICTA/Australian National University, Canberra, Australia

- 2006 Chair and organiser of the HCSNet Workshop on the Use of Vision in HCI (VisHCI 2006), Canberra, Australia
- 2005 Organiser and chair of a special session on “Joint Audio-Video Signal Processing and Its Applications” at the ISSPA2005 conference in Sydney, Australia
- 2005 Supervisor of 3 visiting Masters by Research students from Germany, 6-months Masters projects and theses
- 2005 Supervisor of undergraduate summer scholar, NICTA/Australian National University, Canberra, Australia
- 2004-present Member of the executive of the Australian Speech Science and Technology Association (ASSTA)
- 2004-present Chair of 3 PhD student supervisory panels and co-supervisor/advisor of 3 PhD student supervisory panels, Australian National University, Canberra, Australia
- 2004 Co-organiser of a research workshop on the analysis of handwritten music scores of the 17th and 18th century, Rostock, Germany
- 2003 Invited session chair at the IASTED International Conference on Signal Processing, Pattern Recognition, and Applications SPPRA 2003, Rhodes, Greece
- 2002-2004 Supervised undergraduate and Masters students’ projects, Fraunhofer Institute for Computer Graphics, Rostock, Germany
- 1999-present Reviewer for international journals (e.g. IEEE Transactions on Pattern Analysis and Machine Intelligence), international and national conferences (e.g. ICASSP, CVPR, AVSP, Interspeech, SST, DICTA), and book publishers (e.g. Springer)
- 1999-2002 Trip leader and member of the club executive (2001), Australian National University Mountaineering Club, Canberra, Australia
Trip Leader of the Year (2000)
- 2000-2001 Supervised undergraduate summer scholar, Australian National University, Canberra, Australia
- 1999-2001 Member of the Graduate House Residents Committee, Australian National University, Canberra, Australia
- 2000 Member of the conference organising committee (Speech Science and Technology SST-2000), Canberra, Australia
PR Coordinator

COURSES ATTENDED

2005	Thermal imaging, Australasian Infrared
2005	Project management, Australian National University
2003	Moderation of group discussions and use of creativity techniques, Zentrum für Graphische Datenverarbeitung, Rostock, Germany
2002	Scientific writing, Australian National University, Canberra, Australia
2001	Scientific communication, National Centre for the Public Awareness of Science, Canberra, Australia
2001	Writing business plans for spin-off companies, Australian National University, Canberra, Australia
2000	Writing grant applications, Cooperative Research Centre for Advanced Computational Systems, Canberra, Australia
2000	First aid, Level 3, Parasol, Canberra, Australia
1999	Public speaking, Toastmaster Club, Australian National University, Canberra, Australia
1999	Leadership training for outdoor activities, Australian National University Mountaineering Club, Canberra, Australia
1999	First aid, Level 2, Parasol, Canberra, Australia
1993-1998	Various language courses in English, French, Spanish and Swedish