[C1] Christoph Mayer and Bernd Radig,
Learning Displacement Experts from Multi-band Images for Face Model Fitting,

[C2] Barbara Gonsior, Stefan Sosnowski, Christoph Mayer, Jürgen Blume, Bernd Radig, Dirk Wollherr, and Kolja Kühnlenz,
Improving Aspects of Empathy and Subjective Performance for HRI through Mirroring Facial Expressions,

[J1] Michael Beetz, Martin Buss and Bernd Radig,
Learning from Humans – Cognition-enabled Computational Models of Everyday Activity,

[C1] S. Sosnowski, C. Mayer, K. Kühnlenz and B. Radig,
Mirror my emotions! Combining facial expression analysis and synthesis on a robot,

[C2] Frank Wallhoff, Tobias Rehrl, Christoph Mayer and Bernd Radig,
Real-Time Face and Gesture Analysis for Human-Robot Interaction,

[C3] C. Mayer, S. Sosnowski, K. Kühnlenz and B. Radig,
Towards robotic facial mimicry: system development and evaluation,

A Distributed Many-Camera System for Multi-Person Tracking,
R. Wichert and B. de Ruyter(Eds.), *Proceedings of the First International Joint Conference on Ambient Intelligence (AmI 2010)*, Springer Lecture Notes in Computer Science, November 2010.

Multi Joint Action in CoTeSys — Setup and Challenges,
CoTeSys-TR-10-01, CoTeSys Cluster of Excellence: Technische Universität München &38; Ludwig-Maximilians-Universität München, Munich, Germany, June 2010.
[J1] Christoph Mayer, Matthias Wimmer and Bernd Radig,
Adjusted Pixel Features for Facial Component Classification,

[C1] Zahid Riaz, Christoph Mayer, Matthias Wimmer, Michael Beetz and Bernd Radig,
A Model Based approach for Expression Invariant Face Recognition,

[C2] Zahid Riaz, Christoph Mayer, Michael Beetz and Bernd Radig,
Facial Expressions Recognition from Image Sequences,

[C3] Zahid Riaz, Christoph Mayer, Michael Beetz and Bernd Radig,
Model Based Analysis of Face Images for Facial Feature Extraction,

[C4] Christoph Mayer, Matthias Wimmer, Martin Eggers and Bernd Radig,
Facial Expression Recognition with 3D Deformable Models,

[C5] Zahid Riaz, Michael Beetz and Bernd Radig,
Image Normalization for Face Recognition using 3D Model,

[C6] Zahid Riaz, Christoph Mayer, Michael Beetz and Bernd Radig,
3D Model for Face Recognition across Facial Expressions,

[C7] Zahid Riaz, Suat Gedikli, Michael Beetz and Bernd Radig,
A Unified Features Approach to Human Face Image Analysis and Interpretation,

[C8] Zahid Riaz, Christoph Mayer, Saquib Sarfraz, Michael Beetz and Bernd Radig,
Multi-Feature Fusion in Advanced Robotics Applications,

[C9] Jürgen Gast, Alexander Bannat, Tobias Rehrl, Christoph Mayer, Frank Wallhoff, Gerhard Rigoll and Bernd Radig,
Did I Get it Right: Head Gesture Analysis for Human-Machine Interaction,


[C8] Christoph Mayer, Matthias Wimmer, Freek Stulp, Zahid Riaz, Anton Roth, Martin Eggers and Bernd Radig,  
A Real Time System for Model-based Interpretation of the Dynamics of Facial Expressions,  
Proc. of the International Conference on Automatic Face and Gesture Recognition (FGR08), Amsterdam, Netherlands, September 2008.

[C9] Matthias Wimmer, Christoph Mayer, Martin Eggers and Bernd Radig,  
Are You Happy with Your First Name?,  

[C10] Christoph Mayer, Matthias Wimmer, Freek Stulp, Zahid Riaz, Anton Roth, Martin Eggers and Bernd Radig,  
Interpreting the Dynamics of Facial Expressions in Real Time Using Model-based Techniques,  

[C11] Matthias Wimmer, Sylvia Pietzsch, Christoph Mayer and Bernd Radig,  
Robustly Estimating the Color of Facial Components Using a Set of Adjusted Pixel Features,  

[C12] Matthias Wimmer, Christoph Mayer and Bernd Radig,  
Recognizing Facial Expressions Using Model-based Image Interpretation,  
Verbal and Nonverbal Communication Behaviours, COST Action 2102 International Workshop, Vietri sul Mare, Italy, , April 2008.

[C13] Zahid Riaz, Christoph Mayer, Matthias Wimmer and Bernd Radig,  
Model Based Face Recognition Across Facial Expressions,  

[C14] Zahid Riaz, Michael Beetz and Bernd Radig,  
Shape Invariant Recognition of Segmented Human Faces using Eigenfaces,  

[C1] Matthias Wimmer, Bernd Radig and Christoph Mayer,  
SIPBILD – Mimik- und Gestikerkennung in der Mensch-Maschine-Schnittstelle,  

[C2] Björn Schuller, Matthias Wimmer, Dejan Arsic, Gerhard Rigoll and Bernd Radig,  
Audiovisual Behavior Modeling by Combined Feature Spaces,  

[C3] Matthias Wimmer, Sylvia Pietzsch, Freek Stulp and Bernd Radig,  
Learning Robust Objective Functions with Application to Face Model Fitting,  
Prof. Dr. Bernd Radig  
List of Publications

[C4] Matthias Wimmer and Bernd Radig,  
**Automatically Learning the Objective Function for Model Fitting**,  

[C5] Matthias Wimmer, Ursula Zucker and Bernd Radig,  
**Human Capabilities on Video-based Facial Expression Recognition**,  

[C6] Matthias Wimmer and Bernd Radig,  
**Initial Pose Estimation for 3D Models Using Learned Objective Functions**,  

[C7] Matthias Wimmer, Christoph Mayer, Freek Stulp and Bernd Radig,  
**Estimating Natural Activity by Fitting 3D Models via Learned Objective Functions**,  

[C8] Matthias Wimmer, Freek Stulp and Bernd Radig,  
**Enabling Users to Guide the Design of Robust Model Fitting Algorithms**,  

[J1] Matthias Wimmer and Bernd Radig,  
**Adaptive Skin Color Classifier**,  

[C1] Matthias Wimmer, Freek Stulp, Stephan Tschechne and Bernd Radig,  
**Learning Robust Objective Functions for Model Fitting in Image Understanding Applications**,  

[C2] Matthias Wimmer, Bernd Radig and Michael Beetz,  
**A Person and Context Specific Approach for Skin Color Classification**,  

[C1] Matthias Wimmer and Bernd Radig,  
**Adaptive Skin Color Classifier**,  
[C2] Simone Hämmerle, Matthias Wimmer, Bernd Radig and Michael Beetz,
Sensor-based Situated, Individualized, and Personalized Interaction in Smart Environments,

[J1] Michael Beetz, Thorsten Schmitt, Robert Hanek, Sebastian Buck, Freek Stulp, Derik Schröter and Bernd Radig,
The AGILO Robot Soccer Team – Experience-based Learning and Probabilistic Reasoning in Autonomous Robot Control,

[C1] D. Schröter, T. Weber, M. Beetz and B. Radig,
Detection and Classification of Gateways for the Acquisition of Structured Robot Maps,

[J1] Thorsten Schmitt, Robert Hanek, Michael Beetz, Sebastian Buck and Bernd Radig,
Cooperative Probabilistic State Estimation for Vision-based Autonomous Mobile Robots,

[C1] Michael Beetz, Sebastian Buck, Robert Hanek, Thorsten Schmitt and Bernd Radig,
The AGILO Autonomous Robot Soccer Team: Computational Principles, Experiences, and Perspectives,

[C1] R. Bertelsmeier and Bernd Radig,
Kontextunterstützte Analyse von Szenen mit bewegten Objekten.,