Christoph Mayer  
List of Publications

[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] Freek Stulp, Hans Utz, Michael Isik and Gerd Mayer,  
**Implicit Coordination with Shared Belief: A Heterogeneous Robot Soccer Team Case Study**,  

[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**,  

**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, Christoph Mayer, Michael Beetz and Bernd Radig,
3D Model for Face Recognition across Facial Expressions,

[C6] Zahid Riaz, Christoph Mayer, Saquib Sarfraz, Michael Beetz and Bernd Radig,
Multi-Feature Fusion in Advanced Robotics Applications,

[C7] 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,

[J1] Matthias Wimmer, Zahid Riaz, Christoph Mayer and Bernd Radig,
Recognizing Facial Expressions Using Model-based Image Interpretation,

[C1] Matthias Wimmer, Christoph Mayer, Freek Stulp and Bernd Radig,
Face Model Fitting based on Machine Learning from Multi-band Images of Facial Components,
Workshop on Non-Rigid Shape Analysis and Deformable Image Alignment, held in conjunction with CVPR, Anchorage, AK, USA, June 2008.

[C2] Matthias Wimmer, Christoph Mayer, Sylvia Pietzsch and Bernd Radig,
Tailoring Model-based Techniques for Facial Expression Interpretation,
The First International Conference on Advances in Computer-Human Interaction (ACHI08), Sainte Luce, Martinique, February 2008.

[C3] Matthias Wimmer, Christoph Mayer and Bernd Radig,
Robustly Classifying Facial Components Using a Set of Adjusted Pixel Features,
Proc. of the International Conference on Face and Gesture Recognition (FGR08), Amsterdam, Netherlands, September 2008.
[C4] 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.

[C5] Matthias Wimmer, Christoph Mayer, Martin Eggers and Bernd Radig,

[C6] 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,**

[C7] Matthias Wimmer, Sylvia Pietzsch, Christoph Mayer and Bernd Radig,
**Robustly Estimating the Color of Facial Components Using a Set of Adjusted Pixel Features,**

[C8] 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.

[C9] Zahid Riaz, Christoph Mayer, Matthias Wimmer and Bernd Radig,
**Model Based Face Recognition Across Facial Expressions,**

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

[C2] Matthias Wimmer, Christoph Mayer, Freek Stulp and Bernd Radig,
**Estimating Natural Activity by Fitting 3D Models via Learned Objective Functions,**

[C1] Michael Isik, Freek Stulp, Gerd Mayer and Hans Utz,
**Coordination without Negotiation in Teams of Heterogeneous Robots,**