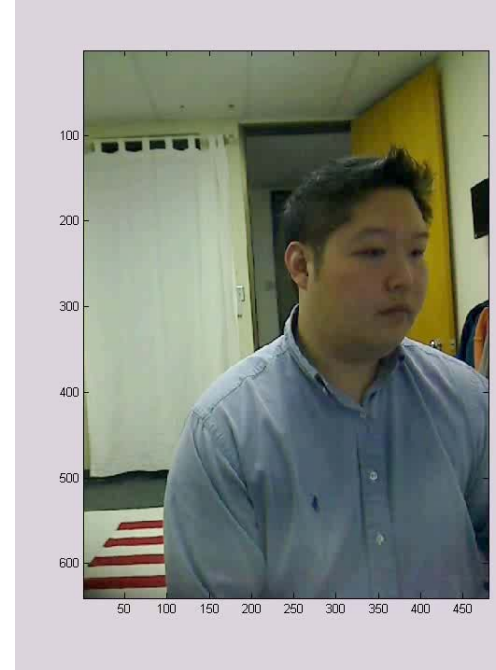


- Palo Alto Research Center
- Erik Vinkhuyzen
- Maurice Chu, Luke Plurkowski,
James Glasnapp, Bo Begole,
Yutaka Yamauchi

- **Computing Science Laboratory**
 - Ubiquitous computing area
 - Machine perception
 - Computer vision, Face-tracking
 - Audio analysis; Conversation finder; Vehicle classification; Laughter detection; engagement
 - Behavior mining techniques
 - Stress detection; Leisure activity detection; product interest;
 - Workspaces and Organization
 - Interaction analysis
 - Study of naturalistic verbal and non-verbal behavior
 - Analysis of sequences of action
 - Usage of video-recorded materials
 - Ethnographic research
 - In-situ study of work and workplaces



- Interdisciplinary research center
- Combining
 - Qualitative micro-analysis of naturalistic data
 - Quantitative analysis of behaviors
- *Our perspective on trust*
 - Trust is contingent: People are not equally trustworthy in different circumstances
 - Lying is always done as part of an interaction—part of a sequence of actions—so both the questioning and the answering should be part of the study
 - Trust should be studied in real world, not contrived, settings: e.g., police interviews with suspects, medical doctors with patients requesting drugs, etc.
 - Professionals who assess trustworthiness as part of their job/expertise should be the subject for study



In a study of game playing practices by children we analyzed non-verbal communication between players. Here a boy just misses a pair which the girl then picks up. A delicate moment in which the girl is victorious at the expense of the boy is negotiated in their mutual glances and facial expressions. Assessments are made regarding the other player's character or not: Are they a sore loser; are they a smug winner?



To analyze the coordination of non-verbal behavior in detail, we combined the analysis of the behavior with the video

- Potential partners:
 - Psychologists, familiar with forensic evidence
 - Detectives; specialist in discerning deceptive behavior in suspects
 - Doctors; specialists in determining real/feigned pain
- Gary David, Bentley College

Contact Information

