

## Leslie Detwiler Setlock

### Contact Information

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### Education

MA 2003 Carnegie Mellon University, Pgh., PA Rhetoric  
BA 1995 Earlham College, Richmond, IN Sociology & Anthropology

### Research Interests

Multicultural and crosscultural communication  
Technologically mediated communication  
Language use and group identification

### Current Projects

#### [Gestures Project](#)

Gesture is one important component of colocated communication. This project seeks to understand the role of gesture in communication by people collaborating on a physical task, with the goal of developing and testing tools to support this role among collaborators who are not colocated. I am involved in the design and execution of laboratory experiments for this project.

#### [Shared Visual Spaces](#)

Being in the same place improves collaborative work. The primary goals of our research are to understand how a shared visual spaces influences collaboration, to discover how the usefulness of visual information interacts with tasks, and to identify ways to build communication systems for remote collaborative work. I have been involved with this project since starting at Carnegie Mellon University, and have participated in planning, executing and coordinating data from several phases of experiments related to this research.

#### [Multidisciplinary Collaboration](#)

This project uses social science methods to better understand the requirements for successful multidisciplinary collaborations, the fundamental processes associated with geographic and functional distance, and applications that could reduce geographic and

functional distance and improve conditions for successful multidisciplinary collaborations. I have been involved on several phases of this project, from discourse analysis of fieldwork transcripts to experimental design and execution of laboratory experiments.

Communication and social interaction in a long term CHAT community.

This project seeks to develop alternative methods for assessing chatroom participants' mental and physical well-being, based on the content and structure of their discourse over a period of time, within an established online community. Our goal is to provide a tool that can be used for the assessment of a wide range of mental and physical disorders within various communication technologies. The resulting coding system will then be made freely available in the interest of supporting and improving upon online communities as a resource for those suffering from mental or physical ailments. I performed preliminary analysis of discourse related to this study for a class project, and will continue involvement in the collection and analysis of this data.

**Positions Held**

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|----------------|---|
| 1999 – present | Research Associate II, Human-Computer Interaction Institute, Carnegie Mellon University, Pittsburgh, PA |
| 1998 – 1999    | Asst to the VP of Institutional Development, The Pittsburgh Cultural Trust, Pittsburgh, PA              |
| 1996 – 1998    | Emancipation Specialist, Ward Youth and Family Services, Pittsburgh, PA                                 |

**Publications**

**Conference Proceedings (Refereed)**

- Fussell, S. R., Setlock, L. D., & Parker, E. M. (2003). Where do helpers look? Gaze targets during collaborative physical tasks. *CHI 03 Extended Abstracts* (pp. 768-769). NY: ACM Press.
- Fussell, S. R., Setlock, L. D., Parker, E. M., & Yang, J. (2003). Assessing the value of a cursor pointing device for remote collaboration on physical tasks. *CHI 03 Extended Abstracts* (pp. 788-789). NY: ACM Press.
- Fussell, S. R., Setlock, L. D., & Kraut, R. E. (2003). Effects of Head-Mounted and Scene-Oriented Video Systems on Remote Collaboration on Physical Tasks. *Proceedings of CHI 2003* (pp. 513-520). NY: ACM Press.

**In preparation or under review**

- Fussell, S. R., Setlock, L. D., Yang, J., Ou, J., & Parker, E. M. (under review). Gestures over video streams to support remote collaboration on physical tasks. *Human-Computer Interaction*.
- Setlock, L. D., Fussell, S. R., Kiesler, S., & Weisband, S. (under review). Managing work trajectories in collaborative writing. *GROUP 2003*.
- Fussell, S. R., & Setlock, L. D. (under review). *Using eye-tracking techniques to study collaborative physical tasks: Implications for medical research*. Cognition, Technology, and Work.
- Fussell, S. R., & Setlock, L. D. (under review). Informal communication in an online volunteer community: Implications for supporting virtual relationships. *Journal of Language and Social Psychology*.
- Fussell, S. R., Setlock, L. D., & Parker, E. (in preparation). *Where do helpers look? Gaze targets during collaborative physical tasks*.