



During the last two decades, my research interest has revolved around people communicating and collaborating in real-time through the use of technology. When collaborating around a table, we have a vast toolbox of a social nature to utilize to effectively coordinate the activity. Such co-located collaboration means we can see other people and what they are doing at the moment. We can see where they are looking, take turn speaking, point at things, nod to acknowledge a statement and take on a confused look when something is unclear, to name just a few. But when we want to collaborate with others without sharing the same physical space, mediated by technology, many of these tools are not applicable anymore. This thesis concerns the design of such coordination mechanisms in a real-time shared workspace.

The thesis contributes to the understanding of technology-mediated collaboration through a set of design patterns made to visualize the activity of others in a real-time shared workspace. The design patterns contain a dimension of a reciprocal nature that I label "self-awareness", whereby users not only see the activity of others, but also their own activity through the eyes of the others, and the impact it has on the shared workspace.



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Designing for technology-mediated collaboration



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