Becoming Citizen Building

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As our building infrastructure becomes connected to the internet through large sensor arrays and taps into vast arrays of local and cloud computing resources, the potential for buildings to not only respond to our needs, but to work together to reduce energy impact and carbon footprint becomes a reality. The project leads the way for realizing the potential for building infrastructure to become aware of itself and the people who occupy it to have new forms of relationships as an active agent. Designing these new forms of interaction paradigms from direct control, to assistant, to partner, to caretaker become challenging from a technical, architectural, aesthetic, and ethical perspective. Methods of understanding and establishing current building and occupant relationships within a highly connected infrastructure with the internet of things are needed. This project includes prototyping different types of building experiences including creating novel sensors and processes that enable these new forms of people building relationships. For our buildings to evolve a form of citizenship to become part of the complex ecosystem of human civilization requires blending the architectural, engineering, and science behind intelligent architecture. In doing so, buildings can become partners in the dialogue for human sustainability, care taking and pushing the boundaries of human expression.

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References


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