

# Soft Interfaces

## Crossmodal Textile Interactions

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# Theses

1. **Textiles are the original digital medium.** Textile art and computer sciences have always been deeply rooted and invariably interlinked.
2. **Textiles are the next interface for human interaction.** Textile are changing by definition, becoming augmented and extendable, via special programmable properties, introducing a new dimension of expressivity.
3. **Interactive textile structures construct multisensory experiences.** Textile interfaces must be designed by weaving the multisensory aspects of the auditory, tactile, visual and kinesthetic senses within a real-world context.
4. **Textile medium provides an active engagement with sonic material.** In textile-sonic interaction, it is the relationship between the gesture and sound that shapes our experience and extends creative action through participation and play.
5. **Sound is a vibrational force, therefore sound has tangible existence.** The vibrational nature of sound gives rise to our tangible as well as intimate experience of it. Sounds creates movements and drifts of frequencies occurring in the physical space. To work with such waves, is to work with material agency.
6. **Sound is inevitably an expression of its medium.** Sound is vibration, traveling as a wave pattern perceived by the human ear. Its quality and characteristic are intrinsically linked to the material substance and the physical space it travels through.
7. **Interaction translates action into being.** Interacting with the materiality of sonic textile is akin to a from of creative making that involves acts of touch, listening, and movement.
8. **The democratization of knowledge is imperative for the evolution of interdisciplinary practices.** Dissemination of knowledge and creative community collaborations create fertile ground for new technologies and integrative, multifaceted projects.