

Techno-empathy

Year: 2024

Designer: Yoyo Yi-Yao Zhang

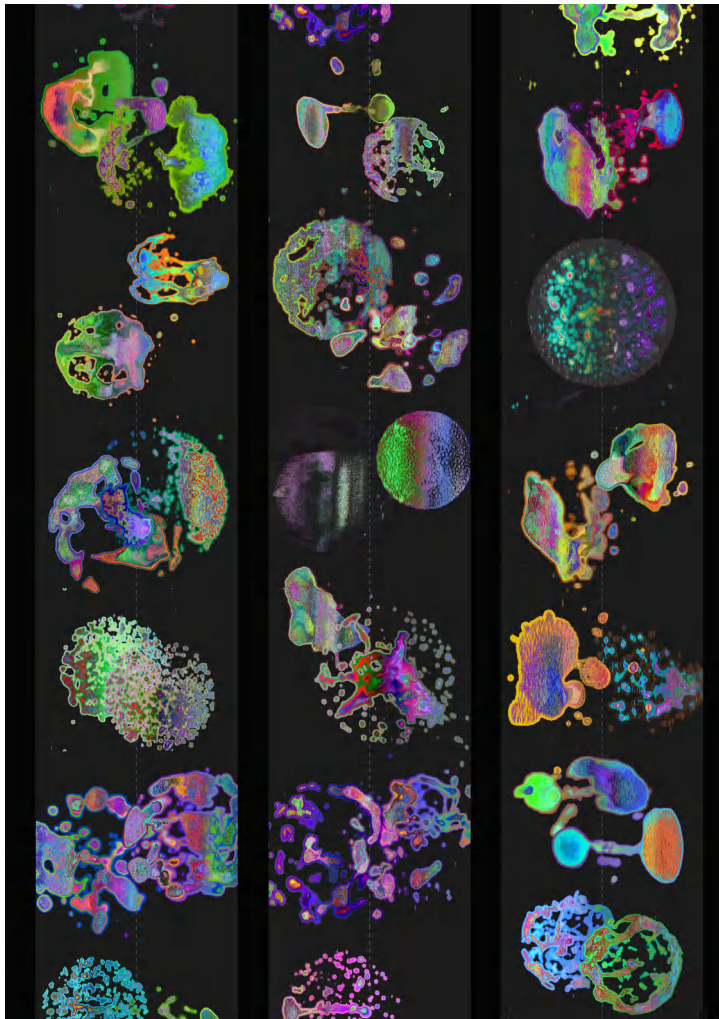
Director: Aven-Le Zhou

Dimensions&Medium: 27-inch screen X4

Techno-empathy emerged from the recognition that emotions significantly influence human social interactions and relationships, especially in an era increasingly dominated by digital technologies. Contemporary audiences increasingly demand immersive artworks that facilitate profound emotional engagement and personal introspection. Emotions, central to human social life, operate through complex mechanisms such as emotional contagion and self-regulation, profoundly impacting how individuals interact and empathize with one another. Can technology amplify and deepen emotional connections between individuals through visual and computational means?

Techno-empathy is an interactive art installation that translates real-time physiological data, specifically heart rate, into immersive, iterative visual experiences. Participants witness visual representations of their own and their partner's emotional states through dynamic, particle-based visuals evolving responsively to their physiological inputs. By utilizing advanced biofeedback systems and custom visualization mappings, the installation continuously captures and visualizes the dynamic interplay of emotions between participants.

The installation promotes deep introspection and heightened empathy through real-time visual interactions, offering both tangible printouts and virtual archives of these emotional exchanges. Techno-empathy thus represents an innovative artistic approach and a exploration into the future possibilities of emotionally interactive art.



- **Technical Requirements:** Given that VISAP '25 is an on-site event, Techno-empathy will replace the original roll-printer setup with three vertically aligned 27-inch monitors, and install one additional monitor for continuous playback of the installation's experiment footage.

- **Space:** Provide ample interactive area so that two participants can stand and engage comfortably; a footprint of approximately 3mX2m is recommended.

- **Audience interaction:** Interaction is live and continuous; no fixed schedule is required.

- **Lighting:** No specialised lighting is necessary, though a moderately dim ambience is suggested to maximise visual impact.

