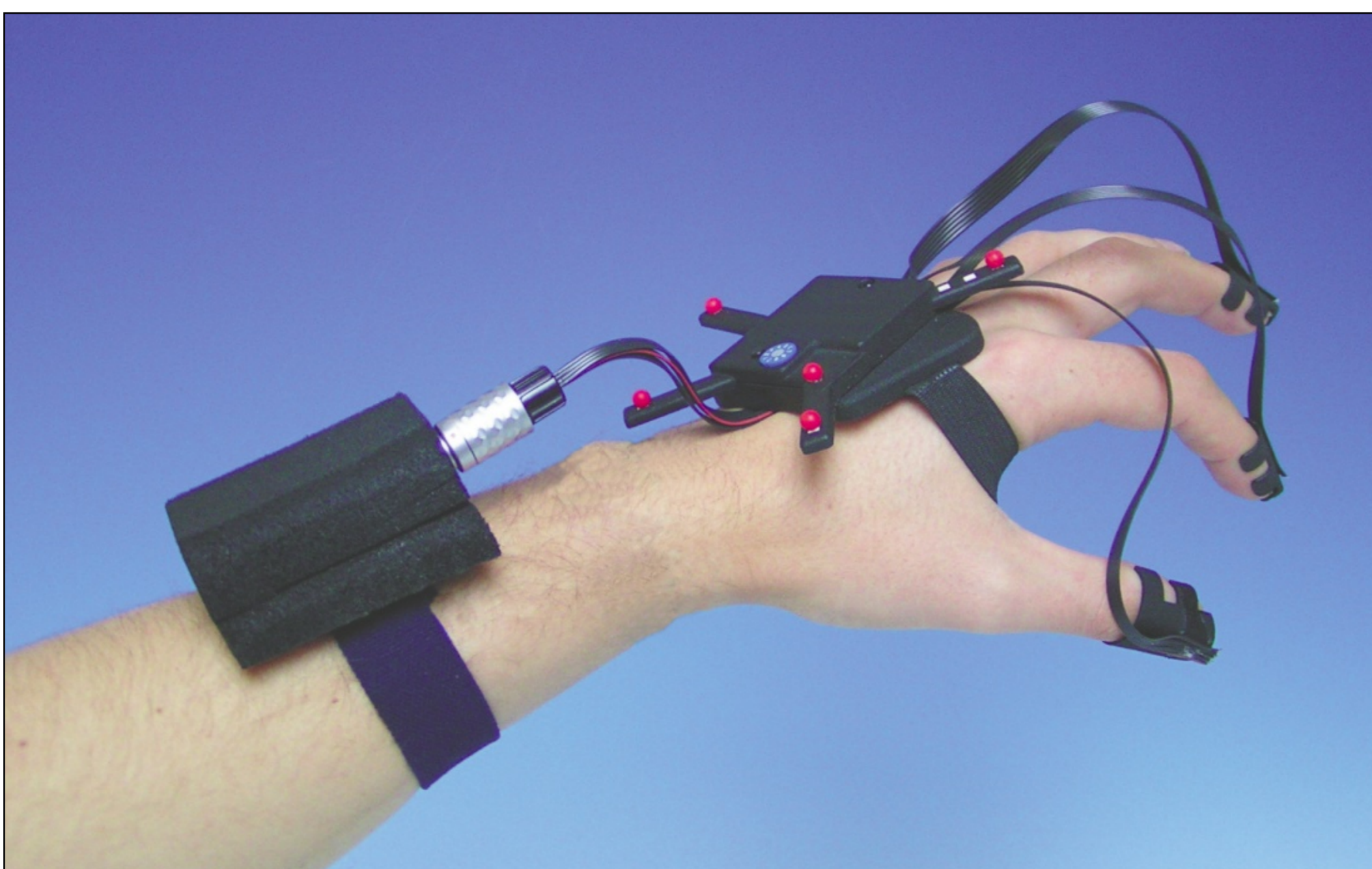


Tactile Feedback at the Fingertips for Improved Direct Interaction in Immersive Environments

Robert Scheibe ^{1,2} Mathias Möhring ¹ Bernd Fröhlich ²

robert.scheibe@ar-tracking.de mathias.moehring@volkswagen.de
bernd.froehlich@medien.uni-weimar.de

¹ Volkswagen AG, Group Research ² Bauhaus-Universität Weimar



- Thin Shape Memory Alloy wires wrapped around thimbles
- Wires shortened by electrical current to provide impression on the fingertips
- Used to communicate finger contact with virtual objects
- Application: ergonomics studies
- Feedback matches well grasping actions

