

DuoSkin – Cindy Hsin-Liu Kao, Asta Roseway*, Christian Holz*, Paul Johns*, Andres Calvo, Chris Schmandt. MIT Media Lab in collaboration with Microsoft Research*

DuoSkin is a fabrication process that enables anyone to create customized functional devices that can be attached directly on their skin.

Using gold metal leaf, a material that is cheap, skin-friendly, and robust for everyday wear, we demonstrate three types of on-skin interfaces: sensing touch input, displaying output, and wireless communication. DuoSkin draws from the aesthetics found in metallic jewelry-like temporary tattoos to create on-skin devices which resemble jewelry.

DuoSkin devices enable users to control their mobile devices, display information, and store information on their skin while serving as a statement of personal style. We believe that in the future, on-skin electronics will no longer be black-boxed and mystified; instead, they will converge towards the user friendliness, extensibility, and aesthetics of body decorations, forming a DuoSkin integrated to the extent that it has seemingly disappeared.

Ars Electronica STARTS Prize Nomination (2017), SXSW Interactive Innovation Award (2017), A'Design Award (2017).

DuoSkin is part of Internet of Women Things. Location: Library Eindhoven (video)

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