



Company/Idea name: IR wearables for Healthcare

Field: medical devices, mid infrared,

Short description: There is a lab research project underway to prepare a proposal. The the aim of it is to look into heathcare sensing area using infrared optics. In parallel it is needed to work out a roadmap to integrated on-chip photonic elements, and, after proof-of-concept phase, developing wearables prototype.

Cooperation interests: Developing wearables prototype with optical elements. with built in LEDs/LDs and sensors for healthcare purposes. Next, extend photonic elements for work in mid infrared. Roadmap developing integrated on-chip infrared optic elements (electron beam lithography, photonic nanofabrication, and quantum photonics).

Webpage: <https://www.materize.com/deep-science-hackathon/>

