Collaboration.

SmartScarf is also a wearable device that allows communication to mobile devices(pc's and phones).We have decided to collaborate with BioIMEI. BioIMEI aims to create a biometrically authenticated, wearable identification module for mobile devices.By creating a ubiquitous biometric identity that is attached to the user rather than the phone, it improves inter-compatibility between mobile devices. Therefore the user will be able to tap their scarf on to the phone and will be able to see their contact and all other relevant information at anyplace at any time.At the same time use the SmartScarf application.

Further Development:

Bone conduction:

Currently we are using standard bone conduction headphones.The bone conducting headphones are not great.So we will be aiming to custom make our own bone conduction transducers that will deliver an accurate and more controlled sound. Currently we are able to accommodate the wearable device into a scarf however it is not aesthetically great.Custom made bone conduction transducers will make the product more comfortable for the user.

Contact Sync

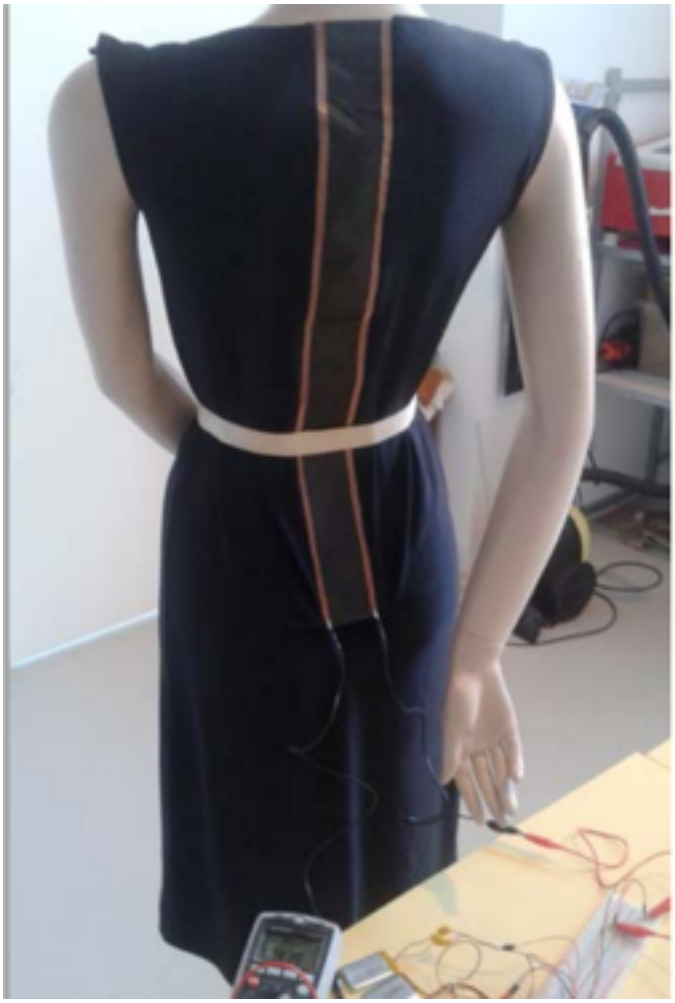
We would like to add contact sync future to the application.No matter what device you will be using(pc, phone, tablets), it will automatically sync your contacts into the smart scarf application.

Battery

At the moment you have to take out the device from the scarf in order to be able to charge it. If we were to release to the consumer we will include a standard lithium ion battery in the scarf. To be able to charge this we will have a usb output. However we would like to include solar panel strips that will charge the scarf using light.

When we went to the Cambridge Wireless"On Trend - High Fashion meets High Technology" we have saw the solar fibre strips that could be placed on wearable devices for power supplying. This will supply the scarf a continuous battery supply and it also looks aesthetically good.These were presented in the event by "by-wire.net".We could be interested to collaborate with them in this topic area.

Here are few pictures of the solar fibre in use:



Advanced materials: conductive non-woven of Lantor (NL)
Ralf Jacobs, Matthijs Vertooren and Bram van Waardenberg

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