

Off-The-Wall Idea Executive Summary for Creating Biometrically Tied Toda LSSI Bracelets for Infants to Seniors

Introduction

This paper summarizes an off-the-wall idea Toufi Saliba and I have regarding creating a biometrically tied Toda LSSI bracelet for infants through to seniors. Note: Readers should skim these two-page executive summaries as background before reading this funding request:

- LSSI Executive Summary - <https://hvl.net/pdf/LSSIExecSummaryMar92021GH.pdf>
- “Quickly Rethinking CRVS Systems – Executive Summary”- <https://hvl.net/pdf/RethinkingCRVSExecutiveSummaryMar132021GH.pdf>

The Idea

Toufi Saliba (global chair of IEEE AI standards) and myself have an off the wall idea we’re currently looking for funding for.

There are billions of poor people around the planet who either have no access to technology or, might have access to a cell phone, but can’t afford the data packages. So, we want to enable them to participate in the incoming technological revolution, while also protecting their identity. Therefore, here’s our off the wall idea we’re currently looking for funding for:

- Create a wristband biometrically tied to the user
 - i.e. another person can’t wear it and masquerade as the user
- Design it such that it works for infants on up
- Make them colour coded such that in a family, it will be easy to see which wristband belongs to another
- Wristbands can be dropped in shit, urine, water, mud et al and still function
- Write the person’s Toda LSSI file to the band
- Have each band NFC enabled
- Allow each person to legally, anonymously prove their age, Covid vaccination, etc.
- Also enable a person to prove their education credentials et al

Both of us feel the technology is now emerging to make this possible. However, no one on the planet, to the best of our knowledge, has done it cost effectively.

Potential Costs

We're looking for funders, research partners and manufacturers to see if we can make it work, then rapidly scale. Toufi thinks the cost will be \$3 million. I'm more skeptical, thinking the costs will likely be somewhere between \$5-10. Why? It has to be very durable, easy to use with infants, kids, seniors etc.

Summary

My last point – in the rush to digitize identities, the poor are left behind. We want to bring them along. For example, when getting a vaccination, a poor person's legal identity can be registered, along with their relationships to others, their fingerprints and iris obtained, and all of this, along with their vaccination information, written to their Toda file in their wristband, out in the field.

Thanks in advance for any funders you can point this to.

Guy Huntington 😊