

From **Connecting  
People** to  
**Connecting People  
with Machines**

# Pan HUI

HKUST-DT System and Media Lab

A large, solid blue diagonal shape that starts from the top right corner and extends towards the bottom left, creating a split background of white and blue.

**1.**

**Connecting People**

# Laponia, Sweden

**Sami reindeer herding community**



# Amazon, Brazil

**Juliao community inside the Amazon jungle**



# Swiss Alps

We have built igloos, deployed sensors, and performed real DTN measurements with the low temperature and alpine setting.





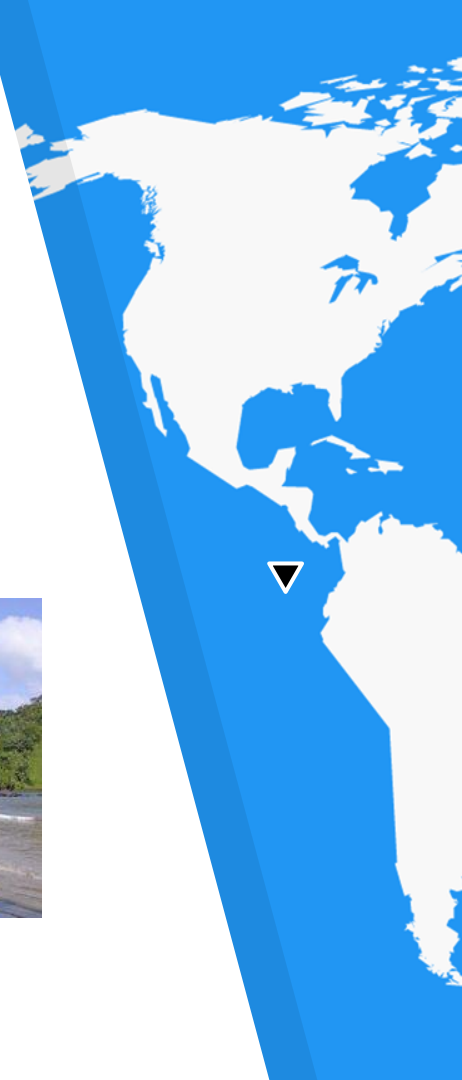
# Eyafjällajökull Volcano, Iceland



# Galápagos Islands, Ecuador

**Where there is the most biodiversity per square kilometre of any nation.**

**Isolated from the mainland for millions of years, it is located at the confluence of three ocean currents. The Galápagos are a 'melting pot' of marine species.**





## M87: Weve

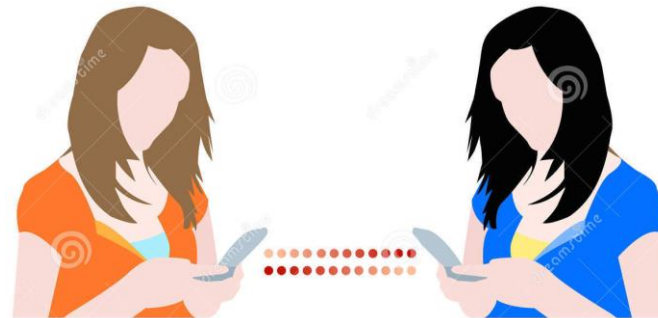
- ▶ Application based on D2D technology and enables proximate discovery and chat
- ▶ Friend discovery up to 500 meters over multi-hop.
- ▶ **Launch at 20 Oct.**
- ▶ We intent to recruit **300+ students**
- ▶ Free sim cards, t-shirts, coffees etc
- ▶ We need **30 students by 13 Oct.**

To sign up contact Dimitris Chatzopoulos at [dcab@cse.ust.hk](mailto:dcab@cse.ust.hk)



### Why Nearby Phones May Soon Be Borrowing Your Bandwidth

U.S. cellular operators are testing technology that boosts mobile download speeds by having phones borrow bandwidth from devices nearby.







**2.**

**Connecting People and  
Machines**



# Emotion Sensing with Google Glass to Aid Social Interaction

# Emotion-Aware Dolls



# Ubiquitous Cameras vs. Visual Privacy



# Interactive privacy control



Tag

Hand gesture

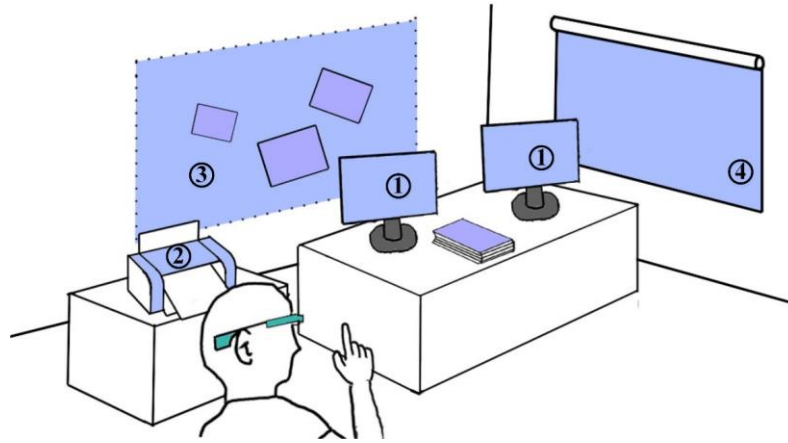


Blurring targeted faces





## AUGMENTED REALITY



### Ubiquitous

Physical objects in an office environment.  
Daily and routine tasks

### Interface

An augmented user interface to present a blend of digital and physical space

### Interaction

Enable seamless and convenient interaction between the physical and digital worlds.

**File Transfer, Printing, Projecting**  
all made possible with simple hand gestures





## HAND GESTURE DETECTION with Image Processing

