

ICON PITCH:

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Who are we?

- IBBT-K.U.Leuven Security department (COSIC)
- *Preliminary contacts with some possible industrial partners*

Context and Need

- Mobile network operators are introducing **mobile wallets.**

EXAMPLE USE CASE

- Remittance (money sent home by migrants) constitutes the second largest financial inflow to many developing countries; overall \$316 billion in 2009 [world bank].
- Transaction costs remain high in many cases (see <http://remittanceprices.worldbank.org>; e.g. sending \$200 from Germany to Croatia costs more than \$36 on average)
- The challenge is to make sure that the right people take part in international transactions & reduce fraud.

Research Goals

- Advanced authentication methods for mobile platforms
 - Biometric voice authentication
 - Spoken passwords, security questions
 - Transaction authentication
- Meaningful combinations based on e.g. dynamic risk assessment
- Ensure privacy preservation
- Build a demonstrator

Looking for...

- Voice / VoIP biometrics & recognition
- Fraud detection
- Authentication solution providers
 - Hardware & Software tokens
 - MNOs
- Partners with expertise in charging & billing
- System integrators / software providers