

The IRMA pilot

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I Reveal My Attributes



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Credential



- Secure container
- Issued and signed by credential issuer
- Contains attributes, selectively disclosable

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The devices

■ The IRMA card





■ The IRMA terminals





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Using such credentials

Anonymous

- Concert tickets (>16,>18,event,seq. no)
- Age verification (>16, >18 or <60, <65)
- Public transport year/track pass (type, period,class)

■ Pseudonymous

- Loyalty card (card number)
- Online newspaper member (membership type, number)
- Role based access control (military rank, clearances)

Identifying

- Passport-like (name, BSN, address)
- Student card (student number, institute)
- Emergency health info (name, blood group, allergies)

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The IRMA pilot

- Runs from November 2013 April 2014
- For Kerckhoffs students only
- Technical contact
 - Ronny Wichers-Schreur (ronny@cs.ru.nl)
- Administrative contact
 - Irma Haerkens (irma@cs.ru.nl)
- All information you need
 - http://www.irmacard.org
 - Register for a card here
 - Obtain additional credentials as well

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Why a pilot?

- To learn how IRMA cards behave in real life
 - Reliability
 - Human perception
 - Usability
- Measured through an evaluation
 - Online questionnaire
 - Interviews with small number of participants
 - Performed between February and April 2014
- And by looking at how system IRMA is used

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Why should you join?

Immediate benefits

- Cheap coffee
- Free printing
- · SurfSpot goodies
- · Pseudonymous wiki access

Long term benefits

- · Essential input to study practical aspects of a major research project
- · Improve usability of a new technology that can make future identity management systems much more privacy friendly
- A lottery among active participants

Directly contribute to IRMA

- Through a master project
- During the pilot
 - Build your own relying party
 - Build your own credential issuer
- Technical session planned for December 2013.

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2