

# Phone Proxies

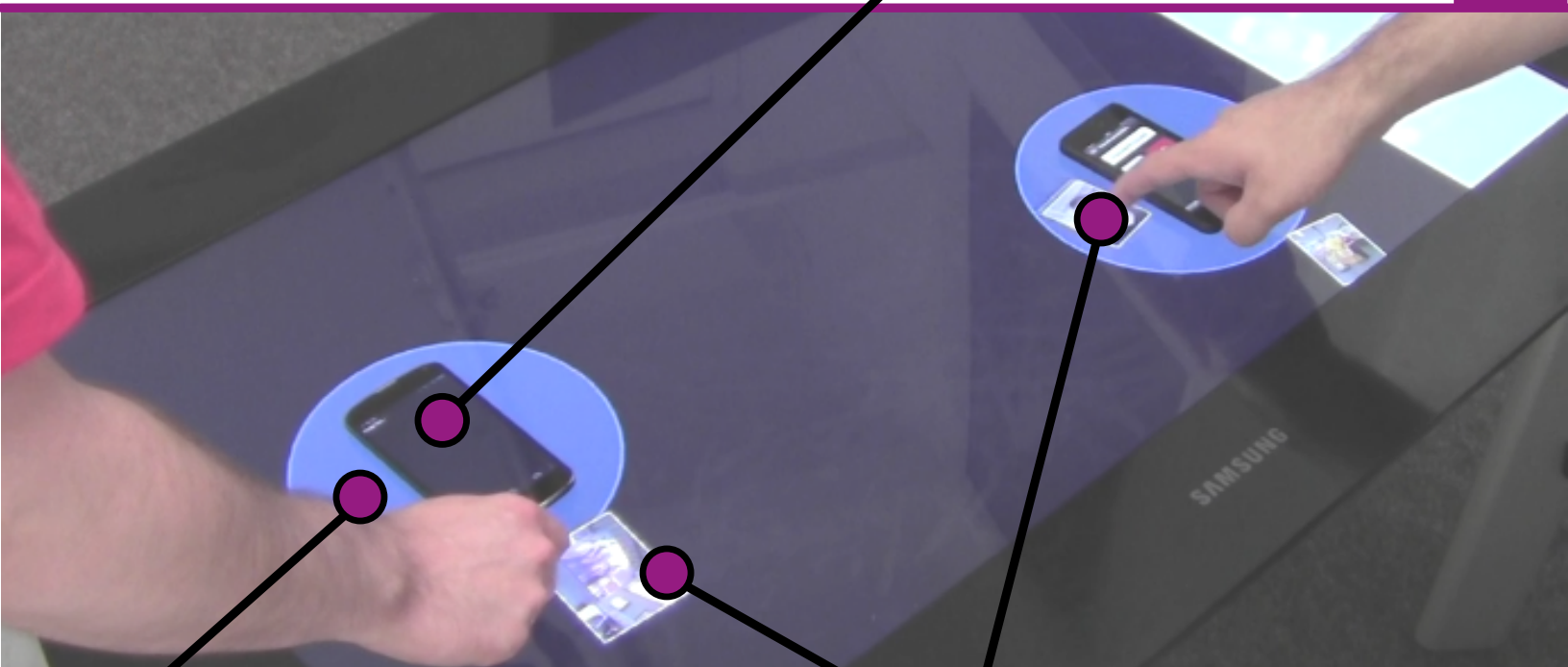
## Effortless Content Sharing between Smartphones and Interactive Surfaces

We present Phone Proxies, a technique for effortless content sharing between mobile devices and interactive surfaces. In such a scenario, users often have to perform a lengthy setup process before the actual exchange of content can take place. Phone Proxies uses a combination of custom NFC (near-field communication) tags and optical markers on the interactive surface to reduce the user interaction required for this setup process to an absolute minimum.

Select & Share images from smartphones

Content Sharing is initialized by selecting local images via a web interface (all devices) or a native app (Android).

2



Connect Smartphones & Interactive Surfaces

We use marked NFC tags which are easily recognizable by both smartphones and interactive surfaces.

Transfer available data between mobile clients

Drag gestures are used to transfer data from one client to another, using the interactive surface as a proxy.

3

Got NFC?

Place your Smartphone here.

No NFC?



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Each tag stores a unique URL to a webservice connecting the mobile devices and controlling the content sharing.

The URL points to the web interface from where users may install a native application for their devices.

Research Questions & Future Work

- How will users perceive privacy issues regarding their shared data?
- Can native app installation be automated without compromising security?

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