ABSTRACT #2

Title: Portable Credentials

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Emerging technology space: Mobility
Cryptographic requirements: Device authentication, secure credential transfer, distributed key management.

Abstract:
Recent years have seen a wide proliferation of mobile devices and services. We will discuss challenges in securely realizing transfer of credentials between personal devices, so as to allow user authentication via different personal devices or accessing a service (music, e-mail, etc.) via any of these devices, or accessing a service via an untrusted third party (e.g., an Internet café). We will also discuss how to realize security with promiscuous networks (e.g., trusted device on untrusted network and vice-versa).