
Oberseminar IT-Sicherheit / Research Seminar IT-Security

Date/place	Thursday, 08.09.2011 at 14.00 h / room 5.3.01
Speaker	Dr. Heiko Rosßnagel & Jan Zibuschka, Fraunhofer-Institut für Arbeitswirtschaft und Organisation IAO Competence Team , Stuttgart
Short-CV	<p>Dr. Heiko Roßnagel studied computer science at the Technical University of Darmstadt. He received a PhD in business administration and economics at the Goethe-University Frankfurt. He has been participating in several European and national cooperative research projects such as the EC-funded projects Wireless Trust for mobile business (WiTness), Future of Identity in the Information Society (FIDIS) and Scoping the Single European Digital Identity Community (SSEDIC) and SECUR-ED. His research interests are in the areas of security, privacy and identity management with a focus on technology development and adoption.</p> <p>Jan Zibuschka holds a diploma in computer science from Technical University of Darmstadt. He participated in several national and international research projects dealing with security and privacy, such as the FP ICT projects PRIME, PrimeLife and FIDIS. He published in several areas of economics of security, including the design of market-compliant solutions for privacy in location-based services and cost-efficient approaches for web identity management and single sign on, which he currently pursues in SkIDentity.</p>
Title	Towards Viable Security Solutions - A Pragmatic Approach
Abstract	<p>Technological solutions that address issues like security, privacy and reliability have been developed by companies and in research projects. However, they often appear disconnected from markets, user needs and economic contexts. As a result several security and privacy technologies have become market failures in recent years. Economic issues are often neglected by technology developers. Instead security solutions continue to be designed with technological factors in mind, valuing increases in security guarantees and even technical complexity over practical relevance.</p> <p>We argue that the widely lamented failure of many security solutions in the market is due to an overly technology- and complexity-driven design approach. Building on a literature review, we derive a set of factors influencing the viability of security solutions in the market, and thus the overall security level. Our approach requires designer to consider aspects of market compliance during the early stages of the design process.</p> <p>Therefore, we present several methods that can be applied to achieve this goal. We build on earlier approaches and findings from IT security and related disciplines, but integrate them in a larger paradigmatic framework targeting specifically the security domain.</p>
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