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Trust in Requirements Engineering Methodologies -- Towards a Generic Trust Model – Comparison of Various Trust Update Algorithms -- A Probabilistic Trust Model for Handling Inaccurate Reputation Sources -- Trust as a Key to Improving Recommendation Systems -- Alleviating the Sparsity Problem of Collaborative Filtering Using Trust Inferences -- Experience-Based Trust: Enabling Effective Resource Selection in a Grid Environment -- Interactive Credential Negotiation for Stateful Business Processes -- An Evidence Based Architecture for Efficient, Attack-Resistant Computational Trust Dissemination in Peer-to-Peer Networks -- Towards an Evaluation Methodology for Computational Trust Systems -- Trusted Computing: Strengths, Weaknesses and Further Opportunities for Enhancing Privacy -- Trust Transfer: Encouraging Self-recommendations Without Sybil Attack -- Privacy-Preserving Search and Updates for Outsourced Tree-Structured Data on Untrusted Servers -- Persistent and Dynamic Trust: Analysis and the Related Impact of Trusted Platforms -- Risk Models for Trust-Based Access Control(TBAC) -- Combining Trust and Risk to Reduce the Cost of Attacks -- IWTrust: Improving User Trust in Answers from the Web -- Trust Record: High-Level Assurance and Compliance -- Implementation of the SECURE Trust Engine -- The CORAS Tool for Security Risk Analysis -- Towards a Grid Platform Enabling Dynamic Virtual Organisations for Business Applications -- Multimedia Copyright Protection Platform Demonstrator -- ST-Tool: A CASE Tool for Modeling and Analyzing Trust Requirements -- The VoteSecure™ Secure Internet Voting System.

Sommario/riassunto

This volume constitutes the proceedings of the 3rd International Conference on Trust Management, held in Paris, France, during 23–26 May 2005. The conference follows successful International Conferences in Crete in 2003 and Oxford in 2004. All conferences were organized by iTrust, which is a working group funded as a thematic network by the Future and Emerging Technologies (FET) unit of the Information Society Technologies (IST) program of the European Union. The purpose of the iTrust working group is to provide a forum for cross-disciplinary investigation of the applications of trust as a means of increasing security, building confidence and facilitating collaboration in dynamic open systems. The notion of trust has been studied independently by different academic disciplines, which has helped us to identify and understand different aspects of trust.

The aim of this conference was to provide a common forum, bringing together researchers from different academic branches, such as the technology-oriented disciplines, law, social sciences and philosophy, in order to develop a deeper and more fundamental understanding of the issues and challenges in the area of trust management in dynamic open systems. The response to this conference was excellent; from the 71 papers submitted to the conference, we selected 21 full papers and 4 short papers for presentation. The program also included two keynote addresses, given by Steve Marsh from National Research Centre Canada, Institute for Information Technology, and Steve Kimbrough from the University of Pennsylvania; an industrial panel; 7 technology demonstrations; and a full day of tutorials.
