

Secure Multi-Party E-Commerce Protocols

This book presents the state of the art for multi-party fair exchange protocols and provides insight details regarding multi-party applications for buying physical products. The authors tackle the fairness problem in e-commerce protocols for buying physical products in scenarios involving complex and chained transactions and provide use cases of these protocols for B2C and B2B scenarios. The book also includes the formal verification of the fair multi-party exchange e-commerce protocols using the Constraint-Logic-based Attack Searcher from AVISPA, a tool for the Automated Validation of Internet Security Protocols and Applications.

This book is mainly targeted to researchers in e-commerce security, yet it shall be interesting as well for professional developers in e-commerce. They all are provided with an understanding of and a starting point for designing secure multi-party e-commerce protocols.

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