# <<Security in Ad-hoc a>>

<<Security in Ad-hoc and Sensor Networks(　　　　　　　　／　　　)>>

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Ad hoc and sensor networks are making their way from research to real-world deployments. Body and personal-area networks, intelligent homes, environmental monitoring or inter-vehicle communications: there is almost nothing left that is not going to be smart and networked. While a great amount of research has been devoted to the pure networking aspects, ad hoc and sensor networks will not be successfully deployed if security, dependability, and privacy issues are not addressed adequately. As the first book devoted to the topic, this volume constitutes the thoroughly refereed post-proceedings of the First European Workshop on Security in Ad-hoc and Sensor Networks, ESAS, 2004, held in Heidelberg, Germany in August 2004. The 17 revised full papers were carefully reviewed and selected from 55 submissions. Among the key topics addressed are key distribution and management, authentication, energy-aware cryptographic primitives, anonymity and pseudonymity, secure diffusion, secure peer-to-peer overlays, and RFIDs.

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New Research Challenges for the Security of Ad Hoc and Sensor NetworksPublic Key Cryptography in Sensor Networks--RevisitedExploring Message Authentication in Sensor NetworksSecure Initialization in Single-Hop Radio NetworksSome Methods for Privacy in RFID CommunicationRing Signature Schemes for General Ad-Hoc Access StructuresLinking Ad Hoc Charging Schemes to AAAC ArchitecturesBlind Spontaneous Anonymous Group Signatures for Ad Hoc GroupsSecurity for Interactions in Pervasive Networks: Applicability of Recommendation SystemsPseudonym Generation Scheme for Ad-Hoc Group Communication Based on IDHSecure Overlay for Service Centric Wireless Sensor NetworksIKE in Ad Hoc IP Networking Advanced Detection of Selfish or Malicious Nodes in Ad Hoc NetworksA Security Architecture for Mobile Wireless Sensor NetworksSecurely Propagating Authentication in an Ensemble of Personal Devices Using Single Sign-onKey Management in Wireless Sensor NetworksSDD:Secure Distributed Diffusion Protocol for Sensor NetworksSecure AES Hardware Module for Resource Constrained DevicesAuthor Index

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