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# Recent Trends in Computer Networks and Distributed Systems Security

International Conference, SNDS 2012  
Trivandrum, India, October 11-12, 2012  
Proceedings

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ISSN 1865-0929

e-ISSN 1865-0937

ISBN 978-3-642-34134-2

e-ISBN 978-3-642-34135-9

DOI 10.1007/978-3-642-34135-9

Springer Heidelberg Dordrecht London New York

Library of Congress Control Number: 2012948545

CR Subject Classification (1998): C.2.0, E.3, C.2.4, K.6.5, E.4, F.2.1

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*Typesetting:* Camera-ready by author, data conversion by Scientific Publishing Services, Chennai, India

Printed on acid-free paper

Springer is part of Springer Science+Business Media (www.springer.com)

# Preface

Networking and distributed systems provide the infrastructure for computation, communication, and storage linking of heterogeneous and possibly a great number of people, hardware devices, and software processes. Security has become more complicated with the expanded use and networking of personal computers. Nowadays, distributed systems are very popular and extensively used throughout the world. With the widespread adoption of distributed systems, there are several security issues that can hurt the enterprises and user communities greatly. To provide tolerable protection for these systems, the security technologies must respond to more and more multifaceted issues and malicious behaviors. However, finding effective ways to guard these systems is challenging even with state-of-the-art technology and trained professionals.

The International Conference on Security in Computer Networks and Distributed Systems (SNDS) aims to provide the most relevant opportunity to bring together students, researchers, and practitioners from both academia and industry to present their research results and development activities in the field of security in computer networks and distributed systems. SNDS 2012 was technically co-sponsored by the IEEE Kerala Section and Computer Society of India. The conference was held in October 2012 at the Indian Institute of Information Technology and Management-Kerala (IIITM-K), Trivandrum, India.

There were 112 paper submissions to SNDS 2012 from 17 countries. From these submissions, 34 papers were selected by the Program Committee for oral presentations and eight papers for poster presentations. All papers were rigorously and independently peer-reviewed by the TPC members and reviewers. The authors of accepted papers made a considerable effort to take into account the comments in the version submitted to these proceedings. In addition to the main track of presentations of accepted papers, two workshops were also hosted.

The final technical program of SNDS 2012 was the result of the dedication and hard work of numerous people. We would like to extend our sincere thanks to all the authors who submitted their work, the conference Chairs/Co-chairs, TPC members, and additional reviewers, who greatly contributed to the success of the SNDS 2012 paper-review process under a tight schedule. Our deepest thanks to the Steering Committee members for their timely help and supervision. Our most sincere thanks go to all keynote speakers who shared with us their expertise and knowledge.

We greatly thank the Organizing Committee members for taking care of the registration, logistics, and local arrangements. It is due to their hard work that the conference was made possible. We are truly grateful to the co-sponsoring societies including the IEEE and Computer Society of India. We would also like to express our sincere thanks to all those who contributed to the success of SNDS 2012 but whose names cannot be listed.

Last, but surely not the least, we express our sincere thanks to Alfred Hofmann of Springer for his excellent support in publishing these proceedings on time.

October 2012

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