

International Conference on Security in Computer Networks and Distributed Systems (SNDS'12)

11-12 October 2012

SNDS Programme

October 10, 2012 (09.00AM-05.00PM)	One day Workshop on " <i>Amateur Radio Communications and Computer Networks in Education</i> ", Instructor: Miroslav "Misko" Skoric, Faculty of Technical Sciences, University of Novi Sad, Serbia, http://www.snds-conference.org/radio-workshop.html
October 11, 2012 09.00AM – 09.30AM	Inaugural Session
09.30AM – 10.30AM	Keynote I - Cooperative Security Dr. Jerzy Konorski, Gdansk University of Technology, Poland
10.30AM – 10.40AM	Tea
10.40AM – 11.40AM	Keynote II - Changing Security Landscape and the Future Internet of Things Dr. B. S. Manoj, Indian Institute of Space Science and Technology, INDIA
10.40AM – 12.40PM	Keynote III - Crypto Hardware Design for Embedded Systems in Multi-Core Era: Recent Trends and Challenges Dr. Amlan Chakrabarti, Princeton University, New Jersey, U.S.A
12.40PM – 01.15PM	Lunch
01.15PM – 02.15PM	Tutorial – Conducted by Mirox Cyber Security & Technology Pvt Ltd, Technopark
02.30PM – 04.30PM	Parallel Sessions
	Keynote IV (Skype) - Communication Requirements for the Smart Grid IEEE Distinguished Lecture, Dr. Xavier N. Fernando, Professor and Multimedia Stream Coordinator, Ryerson University, Toronto, CANADA
04.30PM – 5.30PM	Social Events
October 12, 2012 08.45AM – 10.00AM	Keynote V - Application Security Dr. Chandrasekar Umapathy, Secure Application, India
10.00AM – 11.00AM	Keynote VI - Security Operations Center Manu Zacharia, Information Security Evangelist
11.00AM – 11.15AM	Tea
11.15AM – 12.00Noon	Keynote VII (Skype) - Cognitive Group-Based Collaborative Sensor Network for Sensing and Monitoring the Water Environment (Skype Presentation) Dr. Jaime Lloret Mauri, Associate Professor, Department of Communications, Polytechnic University of Valencia, Spain
12.00Noon – 01.00PM	Keynote VIII - Data Center Networking Dr. Mohit P. Tahiliani, National Institute of Technology Karnataka, India
01.00PM – 01.30PM	Lunch
01.30PM – 04.00PM	International Workshop on Security in Self-Organising Networks (SelfNet'12) Keynote IX - Security and Privacy Issues in Multimedia Systems Dr. Pradeep K. Atrey, Associate Professor, Dept. of Applied Computer Science The University of Winnipeg, CANADA
01.30PM – 04.00PM	Parallel Sessions
04.00PM – 04.30PM	Valedictory Function

PARALLEL SESSIONS

IMPORTANT NOTES

- Most Presentations are scheduled for a maximum time of 15-20 minutes, including Q&A.
 - Presentations can only be in electronic Power Point formats. Files should be Microsoft Powerpoint 2003 compatible.
 - There will be a laptop and an LCD available for all presenters in the conference rooms.
 - Upload all presentations one hour prior to their presentations at the laptop provided in the conference hall where your session is scheduled.
 - Please have your presentation file named using session-Id and EDAS Paper-Id (xx-xxxxxxxx).
 - You may bring your file on a CD or a USB flash stick.
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Session I (October 11, 2012)

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569622031	<i>Secure Leader Election Algorithm Optimized for Power Saving Using Mobile Agents for Intrusion Detection in MANET</i>	Monika Darji (Gujarat Technological University, India) Bhushan Trivedi (GLS Institute of Computer Technology, Ahmedabad, India)
1569622295	<i>WAKE: Authentication and Key Establishment for Wireless Mesh Network</i>	Somanath Tripathy (IIT Patna, India); Debasish Sahoo (IIT Patna, India)
1569634737	<i>An Analytical Approach to Position-Based Routing Protocol for Vehicular Ad Hoc Networks</i>	Ram Shringar Rao (Ambedkar Institute of Advanced Communication Technologies and Research, India); Daya Krishan Lobiyal (Jawaharlal Nehru University, New Delhi, India); Sanjoy Das (Jawaharlal Nehru University, India)
1569634831	<i>Simulation and Evaluation of Different Mobility Models Using DSR Protocol Ad-hoc Sensor Network Using Bonnmotion Tool</i>	Vasanthi V (Karpagam University, India); Hemalatha M (Karpagam University, India)
1569635505	<i>Lightweight Cryptographic Primitives for Mobile Ad Hoc Networks</i>	Adarsh Kumar (JIIT, noida, India); Alok Aggarwal (JIIT University, Noida, India)
1569634513	<i>Publicly Auditable Provable Data Possession Scheme for Outsourced Data in the Public Cloud Using Polynomial Interpolation</i>	Purushothama B R (National Institute of Technology Warangal, India); Bharat Amberker (National Institute of Technology, Warangal, India)

Session II (October 11, 2012)

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569634087	<i>A Novel Key Management Mechanism for Dynamic Hierarchical Access Control Based on Linear Polynomials</i>	Odelu Vanga (Rajiv Gandhi University of Knowledge Technologies, Hyderabad, India); Ashok Kumar Das (IIIT Hyderabad, India); A. Goswami (Indian Institute of Technology, Kharagpur, India)
1569620313	<i>Protocol for Secure Submissions Into Learning Management Systems</i>	Manjunath Mattam (International Institute of Information Technology, India)
1569630515	<i>Security Analysis of CAPTCHA</i>	Anjali Avinash Chandavale (University of Pune, India); A Sapkal (College of Engineering, Pune, India)
1569632673	<i>Imperceptible Image Indexing Using Digital Watermarking</i>	Jobin Abraham (BPC College, India); Varghese Paul (CUSAT, India)
1569635693	<i>Experimental DRM Model Using Mobile Code and White-Box Encryption</i>	Stefan Vladimir Ghita (Military Technical Academy, Romania); Patriciu Victor-Valeriu (Military Technical Academy, Romania); Ion Bica (Military Technical Academy of Bucharest, Romania)
1569635821	<i>Towards a Secure, Transparent and Privacy-Preserving DRM System</i>	Dheerendra Mishra (Indian Institute of Technology, Kharagpur, India); Sourav Mukhopadhyay (Dublin City University, Ireland)
1569630883	<i>A new approach towards segmentation for breaking CAPTCHA</i>	Anjali Avinash Chandavale (University of Pune, India); A Sapkal (College of Engineering, Pune, India)
1569623635	<i>Towards Constructing a Trustworthy Internet: Privacy-aware Transfer of Digital Identity Document in Content Centric Internetworking</i>	Amine Abidi (ENSI: National School of Computer Science, Tunisia); Ghazi Ben Ayed (Faculty of Business and Economics, University of Lausanne, Switzerland); Farouk Kamoun (SESAME University, Tunisia)

Session III (October 11, 2012)

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569635655	<i>Performance Evaluation of the Fuzzy ARTMAP for Network Intrusion Detection</i>	Nelcileo Araújo (Federal University of Mato Grosso, Brazil); Ruy de Oliveira (Federal Institute of Mato Grosso, Brazil); Ed' Wilson Tavares Ferreira (Federal Institute of Mato Grosso, Brazil); Valtemir Nascimento (IFMT, Brazil); Ailton Shinoda Akira (Unesp, Brazil); Bharat Bhargava (Purdue Univ, USA)
1569635473	<i>Towards Retrieving Live Forensic Artifacts in Offline Forensics</i>	Dija S (Centre for Development of Advanced Computing, India); Deepthi Ramamoorthy (Centre for Development of Advanced Computing, India); Balan Chelliah (Centre for Development of Advanced Computing, India); Thomas L (Centre for Development of Advanced Computing, India)
1569634435	<i>A Similarity Model to Estimate Attack Strategy Based on Intentions Analysis for Network Forensics</i>	Aman Jantan (Universiti Sains Malaysia, Malaysia); Mohammad Rasmi (Universiti Sains Malaysia (USM), Malaysia); Mohd Izham Ibrahim (Universiti Sains Malaysia (USM), Malaysia); Azri H. A Rahman (Universiti Sains Malaysia (USM), Malaysia)
1569635477	<i>Carving of Bitmap Files From Digital Evidences by Contiguous File Filtering</i>	Balan Chelliah (Centre for Development of Advanced Computing, India); Divya Vidyadharan (Centre for Development of Advanced Computing, India); Shabana P (Centre for Development of Advanced Computing, India); Thomas K. L (Centre for Development of Advanced Computing, India)
1569635513	<i>Intrusion Protection Against SQL Injection and Cross Site Scripting Attacks Using a Reverse Proxy</i>	Fouzul Hidayat S (B. S. Abdur Rahman University, India); Angelina Geetha (B. S. Abdur Rahman University, India)
1569635633	<i>A Virtualization-Level Future Internet Defense-in-Depth Architecture</i>	Jerzy Konorski (Gdansk University of Technology, Poland); Piotr Pacyna (AGH University of Science and Technology, Poland); Grzegorz Kolaczek (Wroclaw University of Technology, Poland); Zbigniew Kotulski (Warsaw University of Technology, Poland); Krzysztof Cabaj (Warsaw University of Technology, Poland); Pawel Szalachowski (Warsaw University of Technology, Poland)

Session IV (October 12, 2012)

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569618209	<i>ID-based Threshold Signcryption and Group Unsigncryption</i>	Prashant Mishra (National Institute Of Technology Trichy, India); Kunwar Singh (NIT Trichy, India); Sudhanshu Baruntar(National Institute Of Technology Trichy, India)
1569623505	<i>Effective Implementation of DES Algorithm for Voice Scrambling</i>	Jinu Elizabeth John (Amrita Vishwavidyapeetham, India) Remya Ajai A S (Amrita Vishwavidyapeetham, India) Prabaharan Poornachandran (Amrita Vishwavidyapeetham, India)
1569634839	<i>Secure Authentication in Multimodal Biometric Systems Using Cryptographic Hash Functions</i>	Aravind Ashok (Amrita Center for Cyber Security, Amrita Vishwa Vidyapeetham, India); Prabaharan Poornachandran (Amrita University, India); Krishnashree Achuthan (Amrita Center for Cyber Security, Amrita University, India)
1569635447	<i>Crypto-Precision:Testing Tool for Hash Function</i>	Harshvardhan Tiwari (Jaypee Institute of Information Technology, India); Ankit Luthra (JIIT University, India); Himanshu Goel(JIIT University, India); Sambhav Sharma (JIIT University, India); Krishna Asawa (Jaypee Institute of Information Technology, India)
1569635459	<i>Performance Analysis and Improvement Using LFSR in the Pipelined Key Scheduling Section of DES</i>	Sruthi Valsala (Amrita Vishwa Vidya Peetham University, India); Prabaharan Poornachandran (Amrita University, India); Bri Remya (Amrita Vishwa Vidyapeetham, India)
1569635529	<i>Three-way Handshake-Based OTP Using Random Host-Side Keys for Effective Key Transfer in Symmetric Cryptosystems</i>	Mahalingam P R (Rajagiri School of Engineering and Technology, India)
1569635631	<i>Identity Based Privacy Preserving Dynamic Broadcast Encryption for Multi-privileged Groups</i>	Angamuthu Muthulakshmi (PSG Collegeof Technology, India); Ramalingam Anitha (PSG College of Technology, India); S Rohini (PSG Collegeof Technology, India); Krishnan Princy (PSG Collegeof Technology, India)
1569634115	<i>A New Deterministic Algorithm for Testing Primality Based on a New Property of Prime Numbers</i>	Srikumar Manghat (University of Calicut, Kerala, India)

Session V (October 12, 2012)

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569634581	<i>Multilingual Speaker Identification with the Constraint of Limited Data Using Multitaper MFCC</i>	Nagaraja B, G (Visvesvaraya Technological University, India); Jayanna HS (Indian Institute of Technology Guwahati, India)
1569634585	<i>Secure Group Key Management Scheme for Simultaneous Multiple Groups with Overlapped Memberships Using Binomial Key Tree</i>	Purushothama B R (National Institute of Technology Warangal, India); Kusuma Shirisha (National Institute of Technology Warangal, India); Bharat Amberker (National Institute of Technology, Warangal, India)
1569634869	<i>Data Protection and Privacy Preservation Using Searchable Encryption on Outsourced Databases</i>	Lucas Mattos (Universidade Federal de Minas Gerais, Brazil); Vijayaraghavan Varadharajan (Infosys Limited, India); Rajarathnam Nallusamy (Infosys Limited, India)
1569635275	<i>A Dynamic Syntax Interpretation for Java Based Smart Card to Mitigate Logical Attacks</i>	Tiana Razafindralambo (Université de Limoges, France); Guillaume Bouffard (Xlim, France); Bhagyalekshmy N Thampi (Xlim, France); Jean-Louis Lanet (Xlim/Université de Limoges, France)
1569635313	<i>Taxonomy of Slow DoS Attacks to Web Applications</i>	Enrico Cambiaso (IEIIT, Italy); Gianluca Papaleo (IEIIT, Italy); Maurizio Aiello (National Research Council, Italy)
1569635553	<i>Time Based Constrained Object Identification in a Dynamic Social Network</i>	Chitra Mt (University of Kerala, India); Priya R (University of Kerala, India); Sherly Elizabeth (IIITM-K, Technopark, Trivandrum, India)
1569642559	<i>iReSign - Implementation of Next-generation Two-tier Identity Classifier-based Traffic Sign Recognition System Architecture using Hybrid Region-based Shape Representation Techniques</i>	Madhan Kumar Srinivasan (Infosys Limited, India); Sarukesi K (Hindustan University, India); Keerthi Balasundaram (Infosys Limited, India)

Session VI (October 12, 2012) -SelfNet-2012

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569636965	<i>Stationary Wavelet Transformation Based Self-Recovery of Blind-Watermark from Electrocardiogram Signal in Wireless Telecardiology</i>	Nilanjan Dey (West Bengal Technical University, India); Anamitra Bardhan Roy (West Bengal Technical University, India); Achintya Das (Kalyani Govt. Engineering College, India); Sheli Sinha Chaudhuri (Jadavpur University, India)
1569642553	<i>eCloudIDS - Design Roadmap for the Architecture of Next-generation Hybrid Two-tier Expert Engine-based IDS for Cloud Computing Environment</i>	Madhan Kumar Srinivasan (Infosys Limited, India); Sarukesi K (Hindustan University, India); Revathy P (Infosys Technologies Limited, India); Ashima Keshava (Infosys Limited, India)
1569640137	<i>A Comparative Study on Wormhole Attack Prevention Schemes in Mobile Ad-Hoc Network</i>	Subhashis Banerjee (West Bengal University of Technology, India); Koushik Majumder (West Bengal University of Technology, India)
1569653803	<i>Management of Routed Wireless M-Bus Networks for Sparsely Populated Large-Scale Smart-Metering Installations</i>	Philipp Digeser (University of Applied Sciences Offenburg, Germany); Axel Sikora (University of Applied Sciences Offenburg, Germany)
1569642197	<i>A Survey of Blackhole Attacks and Countermeasures in Wireless Mobile Ad-hoc Networks</i>	Subhashis Banerjee (West Bengal University of Technology, India); Koushik Majumder (West Bengal University of Technology, India)

WORK-IN-PROGRESS

Session VII (October 11, 2012)

EDAS Paper-ID	Paper Title	Authors with affiliation and country
1569634489	<i>Neural Synchronization by Mutual Learning Using Genetic Approach for Secure Key Generation</i>	S Santhanalakshmi (Amrita School of Engineering, India); Sudarshan Tsb (Amrita School of Engineering, India); Gopal Patra (CSIR Centre for Mathematical Modelling and Computer Simulation, India)
1569635653	<i>eCloudIDS Tier-1 uX-Engine Subsystem Design and Implementation using Self-Organizing Map (SOM) for Secure Cloud Computing Environment</i>	Madhan Kumar Srinivasan (Infosys Limited, India); K Sarukesi (Hindustan University, India); Ashima Keshava (Infosys Limited, India); Revathy P (Infosys Technologies Limited, India)
1569634323	<i>Implementation of MD6</i>	Ananya Chowdhury (Jadavpur University, India); Utpal Ray (Jadavpur University, India)
1569634519	<i>Location estimation of mobile in GSM and CDMA networks</i>	Tataram Adapa (National Institute of Technology, Surathkal, India); Alwyn Roshan Pais (NITK, Surathkal, India)
1569635391	<i>An Adaptive Distributed Intrusion Detection System for Cloud Computing Framework</i>	Deepa Krishnan (Pillai's Institute of Information Technology, India); Madhumita Chatterjee (IIT Bombay, India)
1569635615	<i>Biologically Inspired Computer Security System: The Way Ahead</i>	Praneet Saurabh (Technocrats Institute of Technology, India)
1569640149	<i>A Comparative Analysis of the Ant based Systems for QoS Routing in MANET</i>	Debajit Sensarma (West Bengal University of Technology, India); Koushik Majumder (West Bengal University of Technology, India)
1569634749	<i>Efficient Weighted innovative Routing Protocol (EWiRP) to Balance Load in Mobile Ad Hoc Networks (MANETs): Simulation and Feasibility Analysis</i>	Nitin Goel, Er. (Decimal Technologies Pvt. Ltd., India); Shruti Sangwan (Kurukshetra University Kurukshetra, India); Ajay Jangra (KUK University, Kurukshetra, Haryana, India)