

Recent Publications - Dr. Dhiren R. Patel

Book

Dhiren R. Patel; Information Security: Theory and Practice, PHI, ISBN-978-81-203-3351-2, 2008

Patent

1. Method to provide A Secure Key Distribution Protocol For Constrained Environment
Inventors: Zia Saquib, Piyush Jain, Sharda Swain, Om Pal, Dhiren Patel
(filed to National Patent Application Filing, India – Nov. 2010)

Journals

1. *Optimizing the Replay Protection at the Link Layer Security Framework in Wireless Sensor Networks*, Devesh Jinwala, Dhiren Patel, K S Dasgupta. IAENG International Journal of Computer Science, ISSN: 1819-9224; 1819-656X., 2009.
2. *FlexiSec: A Configurable Link Layer Security Architecture for Wireless Sensor Networks*, Jinwala D., DasGupta K., Patel Dhiren; , Journal of Information Assurance and Security, Vol 4, pp 582-603, ISSN 1554-1010, 2009
3. *Architecture Framework Proposal for Dynamic and Ubiquitous Security in Global SOA*, Patel Dhiren, Shah Deven, International Journal of Computer Science & Applications (IJCSA)'s special issue on Advanced Grid and Parallel Computing, Vol.6, No.1, pp 40-52, ISSN 0972-9038, 2009
4. *Protecting Global SOA from DoS and other security threats*, Shah Deven, Patel Dhiren; Journal of Algorithms and Computational Technology: Special issues: Semantic Software: Architecture and Applications, ISSN: 1748-3018, UK, 2009.
5. *Investigating and Analyzing the Lightweight ciphers for Wireless Sensor Networks*, Jinwala D., DasGupta K., Patel D.; INFOCOMP Journal of Computer Science, Vol 8, Issue 2, pp 39-50, ISSN: 1807-4545, 2009
6. *Realization of Semantic Atom Blog*, Khuba S., Patel D.; Journal of Computing NY, Volume 1, Issue 1, pp 34-38, ISSN: 2151-9617, 2009
7. *Clustering Based Approach for Database Intrusion Detection in Role Based Access Control (RBAC) Enabled Databases*, Udai Pratap Rao, G. J. Sahani, Dhiren R. Patel; International Journal of Computer and Network Security, pp 71-74, Vol. 2, No. 6, ISSN 2076-2739, Austria Viena, June 2010
8. *An Efficient Solution for Privacy Preserving Association Rule Mining using Unknowns*, Modi, Chirag, Rao Udai Pratap, Patel Dhiren; International Journal of Computer and Network Security, pp 79-85, Vol. 2, No. 5, , ISSN 2076-273, Austria Viena, May 2010
9. *Authentication and Anonymity of Voters in Verifiable e-Voting System*, Patel Dhiren; Maintaining ADIT Journal of Engg. Dec 2008

10. *Semantic enhancement of a Blog server*, Khuba S., Patel D., International Journal of Information Processing, July-Dec 2008 Issue pp337-345, ISSN: 0973-3892, 2009
11. *Detection of Malicious Activity in Role Based Access Control (RBAC) Enabled Databases*, Udai Pratap Rao, G. J. Sahani, Dhiren R. Patel, International Journal of Information Assurance and Security, pp. 611-617, Volume 5, Issue 6, USA, ISSN 1554-1010, 2010.
12. *A Configurable and Efficient Key-Management Scheme for SCADA Communication Networks*, Zia Saquib, Dhiren Patel, Om Pal, Ravi Batra, Ashwin N.; International Journal of Research & Reviews in Information Security (IJRRISP), 2011

Conferences

1. *Signature Apriori based Network Intrusion Detection System in Cloud*, Chirag N. Modi and Dhiren R. Patel, Proceeding of CSI-2011 - Ph D Colloquium, Ahmedabad, India - Dec 2011
2. *Database Security Architecture for Detection of Malicious Transactions in Database*, Udai Pratap Rao, Dhiren R. Patel, International Conference on Security and Management-SAM-11, July 18-21, 2011, Las Vegas - July 2011
3. *Blocking based approach for classification Rule hiding to Preserve the Privacy in Database*, Udai Pratap Rao, Anita Parmar, Dhiren R. Patel, International Symposium on Computer Science and Society (ISCCS 2011) July 16-17, 2011, Kota Kinabalu, Malaysia – July 2011.
4. *Data access control in ubiquitous environments using P3P*, Muttukrishnan Rajarajan, Patel Dhiren, Saritha Arunkumar, Weerasinghe Dasun; NPSec2010, Kyoto, October 2010
5. *Machine learning proposed approach for detecting database intrusions in RBAC enabled databases*, Rao Udai Pratap, Sahani, G., Patel Dhiren; International Conference on Computing Communication and Networking Technologies (ICCCNT 2010), India, vol., no., pp.1-4, 29-31 July 2010
6. *Maintaining privacy and data quality in privacy preserving association rule mining*, Modi Chirag, Rao Udai Pratap, Patel Dhiren; International Conference on Computing Communication and Networking Technologies (ICCCNT 2010), India, vol., no., pp.1-6, 29-31, July 2010
7. *Elliptic Curve Cryptography Based Mining of Privacy Preserving Association Rules in Unsecured Distributed Environment*, Modi Chirag, Rao Udai Pratap, Patel Dhiren; 2010 International Conference on Advances in Communication, Network, and Computing, India, Oct 2010
8. *Network-based Intrusion Detection in Eucalyptus Private Cloud*, Bhavesh Borisaniya, Avi Patel, Reema Patel, Dhiren Patel; 2010 International Conference on Advances in Communication, Network, and Computing, India, Oct 2010
9. *Database Intrusion Detection Approach to Enhance Database Security System*, Jethava G, Rao Udai Pratap, Patel Dhiren; 2010 International Conference on Advances in Communication, Network, and Computing, India, Oct 2010

10. *An Efficient Approach for Preventing Disclosure of Sensitive Association Rules in Databases*, Modi Chirag, Rao, Udai Pratap; Patel, Dhiren; Proceedings of WCE, (IKE'2010), USA, 2010
11. *Comparative analysis of formal model checking tools for security protocol verification*, Bhavesh Borisaniya, Avi Patel, Reema Patel, Dhiren Patel, Muttukrishanan Raj, Andrea Zisman; The Third International Conference on Network Security & Applications (CNSA 2010), India, Springer, vol. CCIS 89, pp. 152-163, 2010
12. *Cryptographic Key Management for SCADA System: An Architectural Framework*, Om Pal, Sharda Saiwan, Peeyush Jain, Zia Saquib, Dhiren Patel; IEEE Proceedings of ACT 2009, India, Pages-169-174, December 2009
13. *Dynamic and Ubiquitous Security Architecture for Global SOA*; Patel Dhiren., Shah Deven.; UBICOMM 2008 - IARIA IEEE conference, Valencia, Spain, Sept. 2008
14. *Fighting AntiHoneypot Technology using Autonomous Honeypots*, Patel Dhiren, Tiwari P.; International Cryptology Workshop & Conference – Cryptology 2008, Kuala Lumpur, Malaysia, June 2008
15. *Optimizing the Block Cipher Resource Overhead at the Link Layer Security Framework in the Wireless Sensor Networks*, Devesh Jinwala, Dhiren Patel, K S Dasgupta; Proceedings of the International Conference on Wireless Networks at World Congress on Engineering, London, UK, pp 770-775, ISBN No 978-988-98671-9-5, 2008
16. *Optimizing the Block Cipher & Modes of Operations Overhead at the Link Layer Security Framework in the Wireless Sensor Networks*, Devesh Jinwala, Dhiren Patel, K S Dasgupta; Proceedings of the 4th International Conference on Information Systems Security, Hyderabad, pp. 258-272, LNCS Book Series, 2008
17. *Replay Protection at the Link layer Security in Wireless Sensor Networks*, Devesh Jinwala, Dhiren Patel, Sankita Patel, K S Dasgupta; Proceedings of the 2009 World Congress on Computer Science and Information Engineering (CSIE 2009), Los Angeles/Anaheim, USA, 2009
18. *Configurable Link Layer Security Architecture for Wireless Sensor Networks*, Devesh Jinwala, Dhiren Patel, K S Dasgupta; Proceedings of the International Conference on Wireless Networks at World Congress on Engineering, London, UK, pp 776-780, ISBN No 978-988-98671-9-5, 2008
19. *Security Concerns For Border Gateway Protocol – A Survey*, Dhiren Patel, Hiren Patel; International conference on Computing, Communication and Networking – ICCCN 08, TN, India, Dec 2008
20. *Packet Sniffing: Network Wiretapping*, Nimisha Patel, Rajan Patel, Dr. Dhiren Patel; Proceedings of IEEE International Advance Computing Conference (IACC 2009), India, March 2009
21. *Next Generation of AutoID: Applying RFID Technology*, Rajan Patel, Nimisha Patel, Dr. Dhiren Patel; Proceedings of IEEE International Advance Computing Conference (IACC 2009), India, March 2009