

EDUCATION	Ph.D. (ABD) in Information Security & Trust School of Information Systems, Singapore Management University, Singapore Thesis: "Exploiting Human Factors in User Authentication"	2008 - Present
	B.Tech. in Communication & Computer Engg. The LNM Institute of Information Technology, Jaipur, India CGPA(<i>Cumulative Grade Point Average</i>): 3.3/4.0 Thesis: "Botnet Detection using Anomaly based IDS"	2004 - 2008
RESEARCH INTERESTS	Human aspects of security Mobile Security Security issues in Social Networks Biometric System Security	
PUBLICATIONS	Your love is public now: Questioning the use of personal information in authentication Payas Gupta , Swapna Gottipati, Jing Jiang and Debin Gao In <i>Proceedings of the 8th ACM Symposium on Information, Computer and Communications Security (ASIACCS 2013)</i> , Hangzhou, China, May 2013 I can be You: Questioning the use of Keystroke Dynamics as Biometrics Chee Meng Tey, Payas Gupta and Debin Gao In <i>Proceedings of the 20th Annual Network & Distributed System Security Symposium (NDSS 2013)</i> , San Diego, CA, USA, Feb 2013, to appear OTO: Online Trust Oracle for User-Centric Trust Establishment Tiffany Hyun-Jin, Payas Gupta , Jun Han, Emmanuel Owusu, Jason Hong, Adrian Perrig and Debin Gao In <i>Proceedings of the 18th ACM conference on Computer and Communications Security (CCS 2012)</i> , Raleigh, NC, USA, Oct 2012 (AT&T Best Applied Security Paper Award Finalist) Coercion Resistance in Authentication Responsibility Shifting Payas Gupta , Xuhua Ding and Debin Gao In <i>Proceedings of the 7th ACM Symposium on Information, Computer and Communications Security (ASIACCS 2012)</i> , Seoul, Korea, May 2012 HuMan: Creating Memorable Fingerprints of Mobile Users Payas Gupta , Tan Kiat Wee, Narayan Ramasubbu, David Lo, Debin Gao and Rajesh Krishna Balan In <i>IEEE International Conference on Pervasive Computing and Communications (PerCom 2012)</i> , Lugano, Switzerland, Mar 2012 Fighting Coercion Attacks in Key Generation using Skin Conductance Payas Gupta and Debin Gao In <i>Proceedings of the 19th USENIX Security Symposium (USENIX Security 2010)</i> , Washington, DC, USA, Aug 2010 SS-IDS: Statistical Signature based IDS Payas Gupta , Chedy Raissi, Gerard Dray, Pascal Poncelet and Johan Brissaud In <i>Proceedings of the 4th International Conference on Internet and Web Applications and Services (ICIW 2009)</i> , Venice, Italy, May 2009 Détection d'Intrusion: de l' utilisation de signatures statistiques Payas Gupta , Chedy Raissi, Gérard Dray, Pascal Poncelet and Johan Brissaud <i>Actes du 5ieme Atelier Fouille de Données Complexes (FDC '08)</i> Sophia Antipolis, France, Jan 2008 Network Monitoring Tool to Identify Malware Infected Computers Navpreet Singh, Megha Jain, Payas Gupta and Shikha Bansal <i>AUUG 2006</i> , Melbourne, Australia, Oct 2006	
POSTERS AND DEMOS	Fighting Coercion Attacks in Key Generation using Skin Conductance Payas Gupta and Debin Gao <i>20th Governmentware Seminar and Exhibition</i> , Singapore, Sep 2011	

TECHNICAL SKILLS	Programming Languages	: Matlab, C#, C/C++, Shell scripting, Java, MySQL, PHP	
	Mobile Operating Platforms	: Android, Symbian	
	Software Tools	: \LaTeX , Tcplump (Ethereal)	
RESEARCH EXPERIENCE	Cylab and Heinz College, Carnegie Mellon University, USA	<i>Exchange student</i> , “Mobile and contextual security”	Aug '11 - May '12
	MSR Summer School on Security and Privacy	Indian Institute of Science, Bangalore, India	Jun '11
	Summer School on Provable Security	Facultat de Matematiques i Estadistica (FME), Barcelona, Spain	Sep '09
	DIEE, University of Cagliari, Italy	<i>Research Intern</i> , “Web based Intrusion Detection System”	May '08 - Jul '08
		Supervisor: Prof. Giorgio Giacinto, DIEE, Unica, Italy	
	LGI2P, Ecole des Mines d'Als, France	<i>Research Intern</i> , “Real time IDS using Statistical Signatures”	May '07 - Jul '07
		Supervisor: Prof. Pascal Poncelet, co-head of the LGI2P	
TEACHING EXPERIENCE	Indian Institute of Technology Kanpur (IITK), India	<i>Research Intern</i> , “NETlog: Network Logger”	Dec '06
		Supervisor: Mr. Navpreet Singh, Network Manager, IITK	
	Indian Institute of Technology Kanpur (IITK), India	<i>Research Intern</i> , “MIDS: Malware Intrusion Detection System”	May '06 - Jul '06
		Supervisors: Dr. Amitabha Roy & Mr. Navpreet Singh, IITK	
	School of Information Systems, SMU, Singapore	<i>Teaching Assistant</i> , “IS-302: Information Security & Trust”	Jan '11 - Apr '11
	Supervisor: Asst. Prof. Debin Gao, SIS, SMU		
TEACHING EXPERIENCE	School of Information Systems, SMU, Singapore	<i>Teaching Assistant</i> , “IS-302: Information Security & Trust”	Jan '10 - Apr '10
		Supervisor: Assoc. Prof. Xuhua Ding, SIS, SMU	
	The LNM Institute of Information Technology, India	<i>Laboratory Assistant</i> , “Basic Electrical and Electronic Science”	Aug '05 - Nov '05
	Supervisor: Prof. Raghubir Sharan, LNMIIT		
EXTERNAL REVIEWER	Oakland 2013 - The 34th IEEE Symposium on Security and Privacy		
	Oakland 2012 - The 33rd IEEE Symposium on Security and Privacy		
	AsiaCCS 2012 - 7th ACM Symposium on Information, Computer and Communications Security		
	RAID 2011 - The 14th International Symposium on Recent Advances in Intrusion Detection		
	ISPEC 2011 - The 7th Information Security Practice and Experience Conference		
	Oakland 2011 - The 32nd IEEE Symposium on Security and Privacy		
	ICIS 2009 - The 30th International Conference on Information Systems		
AWARDS AND SCHOLARSHIPS	Singapore Management University full Graduate Scholarship		2008 - 2013
	SPSM workshop in conjunction with ACM CCS Travel Award		Oct '12
	PhD Overseas Training Residency at CMU, LARC Scholarship		Aug'11 - May '12
	Winner of the Keith Block entrepreneurial contest		Mar '12
	Microsoft Research Summer School on Security and Privacy Travel Award		Jun '11
	Usenix Security Symposium 2010 Travel Award		Aug '10
	Summer School On Provable Security Travel Award		Sep '09
	Winner of dance, skit and drama competitions		2000 - 2008
PERSONAL DETAILS	Marital status	: Single	
	Date of birth	: 28 th March 1986	
	Nationality	: Indian	
	Email	: payas.gupta.2008@smu.edu.sg	
	Mobile	: (65) 97278657	
REFERENCES	Available on request.		