



Strategy and Synergy for Security

Society For Electronic Transactions and Security MGR Knowledge City, Taramani, Chennai

Webinar on Artificial Intelligence for Cyber Security - 10th February 2022

Programme Schedule and Speaker Details		Time
Welcome and Opening Remarks		10:00 AM – 10:15 AM
 Dr. Prem Laxman Das SETS, Chennai	Webinar Preamble Profile: Dr M. Prem Laxman Das is currently working as Senior Scientist and leading Cryptology and Computing Research Group in SETS, Chennai. He has completed his Ph.D. in Mathematics from Indian Statistical Institute. He works broadly in the domain of algorithmic aspects of algebra and number theory. In cryptology, his interests include cryptanalysis of public key systems, pairing-based crypto with applications to cloud computing security and aspects of post-quantum cryptography.	10:15 AM – 10:25 AM
 Dr. P V Ananda Mohan Former ED, ECIL	Keynote Address: Private Artificial Intelligence Profile: Dr P V Ananda Mohan obtained his Ph D degree from IISc, Bangalore in 1975. Since 1973, he has worked at the R & D, ITI Limited, Bangalore at various levels for more than three decades and was heading the R & D division of ITI Limited, Bangalore. Then he moved to ECIL, Bangalore as Executive Director and Later to C-DAC, Bangalore as Technology Advisor. He has published five books on Analog Filters and Residue Number Systems and several papers in IEEE transactions and IETE Journals. He is Life Fellow of IEEE, fellow of National Academy of Engineering and FIETE.	10:30 AM - 11:15 AM
 Prof. Chester Rebeiro IIT Madras	TOPIC: Fault Analysis on Neural Network Profile: Prof. Chester Rebeiro is currently working as associate professor at IIT Madras. He completed his PhD from IIT Kharagpur and a post-doc from Columbia University. His research interests are in cryptography, system security, especially hardware and operating system security.	11:20 AM – 12:00 PM
 Prof. Richa Singh IIT Jodhpur	TOPIC: Misinformation in the Visual World Profile: Prof. Richa Singh is currently working as Head of Computer Science and Engineering Department at Indian institute of Technology, Jodhpur and an Adjunct Professor with IIIT-Delhi and West Virginia University, USA. She is a Fellow of IAPR and a Senior Member of IEEE and ACM. She was a recipient of the Kusum and Mohandas Pai Faculty Research Fellowship at the IIIT-Delhi, the FAST Award by the Department of Science and Technology, India.	12:05 PM – 01:00 PM
Lunch Break		01:00 PM – 02:00 PM



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 <p>Mr. Ramesh Naidu Laveti C-DAC, Bangalore</p>	<p>TOPIC: The emerging landscape of trustworthy explainable AI</p> <p>Profile: Mr Ramesh Naidu Laveti is currently working as a Joint Director, Big Data Analytics and Machine Learning Group at C-DAC. He has more than 15-years of experience in Deep Learning, Machine Learning, Big Data Analytics and Scientific Computing. He is actively involved in design and development of Parallel Spherical Harmonic Transform Libraries and Math Kernels for Weather and Climate modelling, Prediction of Indian summer monsoon using coupled models and Hybrid Recommender Systems. Lately, his focus has been on the study of neurodevelopmental disorders and epileptic seizures using AI. His areas of interest include: Deep Learning, Multi-Stage Ensemble Methods, Probabilistic Graphical Models and Reinforcement Learning. He has published and presented over 17+ research papers in various Journals and Conferences.</p>	02:00 PM – 02:45 PM
 <p>Mr. M Swathi Mithran SETS, Chennai</p>	<p>TOPIC: Deep Learning based Dynamic analysis for Malware Detection</p> <p>Profile: M Swathi Mithran is working as Scientist in Cryptology and Computing Research Group, SETS. He has completed his M.E in Computer Networks from Pune University. He was previously working with Applied AI group in C-DAC, Pune. He has 6 years of experience in Deep learning. Currently, he is working on projects related to Ransomware Analysis, Misinformation detection using Deep learning techniques.</p>	02:50 PM – 03:30 PM
 <p>Ms. Eswari Devi N SETS, Chennai</p>	<p>TOPIC: Artificial Intelligence for Hardware Security</p> <p>Profile: Ms Eswari Devi is working in Hardware Security Research Group at SETS. She did her M.E in VLSI Design. Her research interests include evaluation of Side Channel Analysis (SCA) using Deep Learning techniques and development of countermeasures for protecting the crypto algorithms against SCA. She also has experience in bitstream analysis and worked as a part in evolving National Task Force report on 'CYBSEC4AI'.</p>	03:35 PM – 04:15 PM
 <p>Ms Samyuktha SETS, Chennai</p>	<p>TOPIC: Deep Learning based feature selection for Network Intrusion Detection</p> <p>Profile: Ms Samyuktha is currently working as a Scientist at SETS, Chennai. She did her B.Tech in Information and Communication Technology (ICT) from SASTRA University, Thanjavur. She is currently working in the area of Post-quantum Cryptography. In Cyber security, her areas of interest include Cryptology, Artificial Intelligence and VAPT. She is a SETS Certified Ethical hacker and was the topper of the SETS Certification on Advanced Network Security (SCANS, 2019) course.</p>	04:20 PM – 05:00 PM