International Conference on Security, Privacy and Data Analytics (ISPDA-2021)
December 13-15, 2021

Organized by
Department of Computer Science and Engineering
Sardar Vallabhbhai National Institute of Technology, Surat- India
(ONLINE mode)

Conference Schedule
Google Meet Link:https://meet.google.com/onx-wjfk-sai

DAY – 1 (13th December 2021)	
Time (IST)	**Inaugural Function** **Moderator: Ms. Hiral Trivedi, Ms. Nidhi Joraviya**
8:30 am to 9:00 am	**Welcome Address** : Dr. Sankita J. Patel **About Conference** : Dr. Udai Pratap Rao, Dr. Pethuru Raj **About Department** : Prof. M A Zaveri, Head, CSE **About Security Research at CSE** : Prof. D C Jinwala, Professor, CSE **Address by Dy. Director** : Prof. P L Patel **Address by Director** : Prof. R V Rao **Address by Chief Guest** : Mr. Maneesh Sharma, General Manager, GitHub, Delhi, India **Vote of Thanks** : Dr. Bhavesh N. Gohil

Keynote Talks Moderator: Dr. Udai Pratap Rao, Mr. Vivek Champaneria	
Time (IST)	**Name of Speakers & Title**
9:00 am to 10:00 am	**Keynote Talk 1: Prof. Mohammad Obaidat, IEEE Fellow and SCS Fellow, Founding Dean and Professor, College of Computing & Informatics, University of Sharjah, UAE.** **Title of the Talk: Recent Research Efforts on Machine Learning**
10:15 am to 11:15 am	**Keynote Talk 2: Prof. Saraju Mohanty, Department of Computer Science and Engineering, University of North Texas (UNT), Denton, USA.** **Title of the Talk: Security by Design for IoT- Enabled Systems**
11:15 am to 11:30 am	**TEA BREAK**

Paper Presentation Session 1 (15 mins for each presentation including Q&A) Session Chair: Prof. Mukesh A. Zaveri, Dr. Satya Prakash Sahu Moderator: Mr. Himanshu Gajera			
	Paper ID	**Authors Details**	**Title of Papers**
11:30 am to 12:30 pm	24	S Prabhakaran, R Annieuthra and J Preetharoselyn	Defect Analysis of Faulty Regions in Photovoltaic Panels using Deep Learning Method
	41	Vikash Kumar, Ashish Ranjan, Md Shah Fahad and Akshay Deepak	Media House Bias Prediction using Deep Learning Framework
	43	Md Shah Fahad, Raushan Raj, Ashish Ranjan and Akshay Deepak	Hindi Songs Genre Classification using Deep Learning
12:30 pm to 2:00 pm	**LUNCH BREAK**		

<table>
<tr><td colspan="4" align="center">Paper Presentation Session 2
(15 mins for each presentation including Q&A)
Session Chair: Dr. Rupa G. Mehta, Dr. Alok Kumar
Moderator: Ms. Hiral S. Trivedi</td></tr>
<tr><td></td><td>Paper ID</td><td align="center">Authors Details</td><td align="center">Title of Papers</td></tr>
<tr><td rowspan="4">2:00 pm to 3:00 pm</td><td>44</td><td>Md Shah Fahad, Aparna Juhi, Shambhavi K, Ashish Ranjan and Akshay Deepak</td><td>Multi–model Emotion Recognition using Hybrid Framework of Deep and Machine Learning</td></tr>
<tr><td>50</td><td>Bhuvaneswari Amma N.G.</td><td>Network Traffic Classification using Deep Autonomous Learning Approach</td></tr>
<tr><td>53</td><td>Gurdeep Saini, Naveen Yadav and Sowmya Kamath S</td><td>Ensemble Neural Models for Depressive Tendency Prediction based on Social Media Activity of Twitter Users</td></tr>
<tr><td>54</td><td>Shraddha Suratkar and Purv Sharma</td><td>A Simple and Effective Way to Detect DeepFakes: Using 2D and 3D CNN</td></tr>
<tr><td>3:00 pm to 3:30 pm</td><td colspan="3" align="center">TEA BREAK</td></tr>
<tr><td>3:30 pm to 5:00 pm</td><td colspan="3" align="center">Tutorial Session 1 by Dr. Ashu Sharma (Watchguard Tech.)
Topic - Evolution of Malware and its Detection Techniques
Moderator: Ms. Shivangi Shukla</td></tr>
<tr><td colspan="4" align="center"><u>DAY – 2 (14thDecember 2021)</u></td></tr>
<tr><td colspan="4" align="center">Keynote Talks
Moderator: Dr. Sankita J. Patel, Ms. Prarthana Mehta</td></tr>
<tr><td align="center">Time (IST)</td><td colspan="3" align="center">Name of Speakers & Title</td></tr>
<tr><td align="center">9:00 am to 10:00 am</td><td colspan="3" align="center">Keynote Talk 3: Prof. Danda B. Rawat, Department of Electrical Engineering & Computer Science, Howard University, Washington, DC, 20059, USA.

Title of the Talk: Cybersecurity for Artificial Intelligence and Artificial Intelligence for Cybersecurity: The Triumph and Tribulation</td></tr>
</table>

10:00 am to 11:00 am	Keynote Talk 4: Dr. George Trawick, Associate Professor, Mississippi State University, United States Title of the Talk: The Cyber Security Executive Order (14028) It's a Big Deal		
11:00 am to 11:15 am	TEA BREAK		
	Paper Presentation Session 3 **(15 mins for each presentation including Q&A)** **Session Chair: Dr. Balu L. Parne, Dr. Chirag Modi** **Moderator: Mr. Ashish Chaudhary**		
	Paper ID	**Authors Details**	**Title of Papers**
11:15 am to 12:30 pm	15	Jhanvi Uday and Mohona Ghosh	Safeguarding Geo-Location for Social Media with Local Differential Privacy and I-Diversity
	16	Anupam Khan	Detection of False Data Injection Cyber Attack in Smart Grid by Convolutional Neural Network based Deep Learning Technique
	30	Milind Daftari	Leveraging a Honeypot Router for Discovering and Characterizing Attacks on Routers
	36	Vinita Verma, Sunil K. Muttoo and V. B. Singh	Detecting Stegomalware: Malicious Image Steganography and its Intrusion in Windows
	51	Amar Khade and Jibi Abraham	Security Solutions on KVM Hypervisor for Early Detection of DoS Attacks on Cloud Servers
12:30 pm to 2:00 pm	LUNCH BREAK		
	Keynote Talk **Moderator: Dr. Udai Pratap Rao, Mr. Akhil Chaurasia**		

Time (IST)	Name of Speakers & Title		
2:00 pm to 3:00 pm	**Keynote Talk 5: Prof. Sandeep K. Shukla, Department of Computer Science and Engineering (CSE), IIT Kanpur.** **Title of the Talk: OT/ICS Security – Rising Challenges and Mitigations**		
	Paper Presentation Session 4 **(15 mins for each presentation including Q&A)** **Session Chair: Dr. Reema Patel, Dr. Govind Gupta** **Moderator: Ms. Shivangi Shukla**		
	Paper ID	**Authors Details**	**Title of Papers**
3:00 pm to 4:00 pm	52	Palak Desai and Devendra Thakor	Privacy Preservation Techniques and Models for Publishing Structured Data
	58	Ankur Bang, Udai Pratap Rao, Pethuru Raj and Alok Kumar	White-Box Encryption Scheme for Resource-constrained IoT Devices
	70	Keval Pandya, Bhavesh Borisaniya and Bharat Buddhdev	ShoutIMEI: Ultrasound Covert Channel Based Attack in Android
	72	Nishtha Srivastava, Ashish Chaudhari, Nidhi Joraviya, Bhavesh Gohil, Suprio Ray and U P Rao	A Review on Machine Learning Approaches for Intrusion Detection System in the Cloud
4:00 pm to 4:15 pm	**TEA BREAK**		
4:15 pm – Onwards	**Poster Presentation Session** **Moderator: Mr. Jagdish Vanara**		
	DAY – 3 (15th December 2021)		
	Keynote Talk **Moderator: Dr. Bhavesh N. Gohil, Ms. Nidhi Joraviya**		
Time (IST)	Name of Speaker & Title		

10:00am to 11:00am	Keynote Talk 6: Dr. Ashish Kundu, Head of Cyber security Research at Cisco Research, USA. Title of the Talk: Blockchain and The Vedas Connection		
	Paper Presentation Session 5 **(15 mins for each presentation including Q&A)** **Session Chair: Dr. Pethuru Raj, Dr. Vivaksha Jariwala** **Moderator: Mr. Jignesh Joshi**		
	Paper ID	**Authors Details**	**Title of Papers**
12:15 pm to 1:30 pm	10	Alok Jaiswal, Sheetal Chandel, Ajit Muzumdar, Chirag Modi, Madhu G. M. and C Vyjayanthi	NITG Chain: A Scalable, Private and Permissioned Blockchain with Proof of Reputation Consensus Method
	39	Sudersan S, Abhijith V S, Thangavel M and Varalakshmi P	A Review on Data Integrity Verification Schemes based on TPA and Blockchain for Secure Cloud Data Storage
	45	Rishikesh Choudhari, Shivukumar M, Shreyas Nandavar, Shruti Maigur, Saroja Siddamal, Suneeta Budihal and Shrishail Pattanshetti	Decentralized and Secured Voting System with Blockchain Technology
	56	Suryansh Raj Singh, Harsh Mithaiwala, Nirav Chauhan, Parth Shah, Chandan Trivedi and Udai Pratap Rao	Decentralized Blockchain based Framework for Securing Review System
	62	Kunal Sahitya and Bhavesh Borisaniya	Pay-Per-Byte for Block Reward: A Revised Incentive Mechanism in Bitcoin
1:30 pm to 2:00 pm	**LUNCH BREAK**		
2:00 pm to 3:30 pm	**Tutorial Session 2 by Mr. Nilay Mistry (NFSU Gandhinagar)** **Topic - Investigations through Online Social Intelligence** **Moderator: Mr. Ashish Chaudhary**		
3:30 pm to 03:45 pm	**TEA BREAK**		

Paper Presentation Session 6 (15 mins for each presentation including Q&A) Session Chair: Dr. Kamal Macwan, Dr. Nikunj Domadiya Moderator: Ms. Nishtha Srivastava			
	Paper ID	**Authors Details**	**Title of Papers**
3:45 pm to 4:45 pm	22	Hrishabh Sharma, Ujjwal Kumar, Amruta Mulay, Rishabh Kumar and Sankita J. Patel	Democratic After-Market for Domain Names
	32	Vensila C and Boyed Wesley A	Multimodal Biometric Authentication using Watermarking Technique
	35	SahilNande, Saail Ganesh, Santosh Krishnan and Kalyani Pampattiwar	Image Deblurring for CCTV Captured Images of Fast-Moving Vehicles
	63	Yash Solanki, Soumya and Reema Patel	Blockchain-Based Regulation System
4:45 pm – Onwards	**Valedictory Function and Vote of Thanks**		