

Cyber Security Awareness Week (CSAW'17) at IIT Kanpur

Day 1- 9th November, 2017

Outreach Auditorium, IIT Kanpur

| Sl. No. | Schedule | Timing |
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| 1. | Inauguration, Welcome Address <i>by Prof. Manindra Agrawal, IIT Kanpur</i> | 10:00 AM- 10:30 AM |
| 2. | Invited Talk “Beyond Bitcoin -- the world of Crypto currencies” <i>by Sourav Sengupta, Indian Statistical Institute, Kolkata</i> | 10:30 AM- 11:30 AM |
| | Tea-Break | 11:30 AM- 12:00 PM |
| 3. | Invited Talk “Break one link and the whole chain falls apart! Embedding Security in Things to Cloud” <i>by Debdeep Mukhopadhyay, IIT Kharagpur</i> | 12:00 PM- 1:00 PM |
| | Lunch | 1:00 PM- 2:00 PM |
| 4. | Invited Talk “Role of Network Telemetry and Analytics in Cyber Security” <i>by Manish Bajpai, Nivetti Systems, Bangalore</i> | 2:00 PM-3:00 PM |
| 5. | Invited Talk “Research on Digital Image Forensics at SEAL, IIT Kharagpur” <i>by Rajat Subhra Chakraborty, IIT Kharagpur</i> | 3:00 PM - 4:00 PM |
| 6. | Invited Talk “Mobile Security” <i>by Lakshya Jyoti Bora</i> | 4:00 PM- 4:40 PM |
| 7. | “Activities at the Interdisciplinary Center for Cyber Security and Cyber Defense of Critical Infrastructures at IIT Kanpur” <i>by Sandeep K. Shukla, IIT Kanpur</i> | 4:40 PM- 5:30 PM |
| | Dinner | 8:00 PM onwards at outreach lawn |

Day 2- 10th November, 2016

Poster Presentation of ARC, Law & Policy and ESC judged by:

*Dr. Shashank Mehta-, IIT Kanpur,
Dr. Asan Basiri, IIT Kanpur
Mr. Manish Bajpai, Nivetti Systems*

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| 1. | Start of Capture the Flag at KD 101 | 7:30 AM onwards |
| 2. | Applied Research Competition and Embedded Security Challenge Competitors set up their Posters at the Atrium of Outreach Auditorium | 9:30 AM- 10:00 AM |
| 3. | Opening remarks on Applied Research Competition & Embedded Security Challenge | 10:00 AM- 10:20 AM |
| 3(a) | ARC Presentation 1 on “Low overhead symmetrical protection of reusable IP core using robust fingerprinting and watermarking during high level synthesis” <i>by Dipanjan Roy, IIT Indore</i> | 10:20 AM -10:40 AM |
| 3(c) | ARC Presentation 2 on “A PUF-Based Secure Communication Protocol for IoT” <i>by Urbi, IIT Kharagpur</i> | 10:40 AM -11:00 AM |
| Tea Break | | 11:00 AM- 11:30 AM |
| 3(d) | ARC Presentation 3 on “Forensic engineering for resolving ownership problem of reusable IP core generated during high level synthesis” <i>by Deepak Kachave, IIT Indore</i> | 11:30 AM- 11:50 AM |
| 3(e) | ARC Presentation 4 on “PicHunt: Social Media Image Retrieval for Improved Law Enforcement” <i>by Divam Gupta, IIT Delhi</i> | 11:50 AM- 12:10 PM |
| 3(f) | ARC Presentation 5 on “Automated JPEG Forgery Detection with Correlation based Localilzation” <i>by Diangarti Bhalang Tariang, IIT Kharagpur</i> | 12:10 PM- 12:30 PM |
| 3(g) | ARC Presentation 6 on “Shakti-T : A RISC-V Processor with Light Weight Security Extensions” <i>by Arjun Menon, IIT Madras</i> | 12:30 PM- 12:50 PM |
| 3(h) | ARC Presentation 7 on “TL-HLS: Methodology for Low Cost Hardware Trojan Security Aware Scheduling With Optimal Loop Unrolling Factor During High Level Synthesis” <i>by Dipanjan Roy, IIT Indore</i> | 12:50 PM- 1:10 PM |
| 3(i) | ARC Presentation 8 on “Counterfeit IC Detection By Image Texture Analysis” <i>by Pallabi Ghosh, IIT Kharagpur</i> | 1:10 PM – 1:30 PM |
| Lunch | | 1:30 PM- 2:30 PM |
| 4(a) | ESC Presentation 1 by <i>IIT Madras</i> | 2:30 PM- 3:00 PM |
| 4(b) | ESC Presentation 2 <i>IIT Kharagpur</i> | 3:00 PM- 3:30 PM |
| | Law & Policy competition presentation "Fake News Endemic" <i>by Shreya, IIT BHU</i> | 3:30 PM- 4:00 PM |
| Tea Break | | 4:00 PM- 4:30 PM |
| 5. | Poster presentation for Applied Research, Embedded Security Challenge and Policy Competition | 4:30 PM- 5:00 PM |

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| 6. | Announcement of the winners | 5:00 PM |
| 7. | Cyber Security Lab visit for interested judges and competitors | 5:00 PM- 6:00 PM |
| | Dinner | 8:00 PM onwards at outreach lawn |

Day 3- 11th November, 2016

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| CTF Ends at 7:30 PM |
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