

One Week Short Term Course

On

Security Issues for Sensor, IoT and Opportunistic Networks (SISION)

Under

ISEA Project Phase II

September 10-15, 2018



Organized by

Department of Computer Engineering
National Institute of Technology
Kurukshetra (Haryana)

INTRODUCTION AND OBJECTIVES

In recent years we have witnessed the spectacular success of the internet because it has been revolutionizing how we live, learn, work, do business and entertain ourselves. Projections for the impact of Internet of Things (IoT) on the Internet and economy are impressive, with some anticipating as many as 100 billion connected IoT devices and a global economic impact of more than \$11 trillion by 2025.

IoT plays a very important role in cyber physical systems and critical infrastructure. As the IoT devices carry very sensitive and personal data, there are several issues like authentication and privacy preserving algorithms, distributed denial of service attacks, authentication, confidentiality and integrity of data that need to be addressed.

This course will benefit young scientists, engineers to the notion of research, various tools for thinking with creativity and innovation which are critical in undertaking research. The Short Term Course (STC) on Security, IOT and Opportunistic Networks (SISION) intends to focus on advances and challenges in Security Issues for Sensor, IoT and Opportunistic networks but are not limited to:

- Distributed Denial of Service Attacks and Defenses
- Key Management
- IoT and Big Data Integrity and Confidentiality
- Security, Trust and Privacy issues in Opportunistic Networks
- MAC layer issues in IOT, Sensor and Opportunistic Networks
- Digital forensics and internet forensic Techniques
- Cyber Defense and Cyber Vulnerabilities
- Laboratory Demonstration and Lab Sessions

COURSE FACULTY

Faculty from IITs, NITs, and other premier organizations / industry will conduct sessions during the week long short term course.

ELIGIBILITY

The proposed STC is designed and intended for faculty members of engineering colleges, government officials, industry persons, students and research scholars working in the area of area of cyber security, information security and computer applications.

CONTACT DETAILS

Fax: 01744-238050

Website: <http://www.nitkkr.ac.in> (Look for STC)

Email: sisionstc2018@gmail.com

COURSE COORDINATORS

Prof. Akhilesh Swarup

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Department of Computer Engineering

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COURSE CO-COORDINATOR

Ms. Priyanka Ahlawat

Department of Computer Engineering

Phone: 9034996998 (Mob)

Email: priyankaahlawat@nitkkr.ac.in

HOW TO APPLY

Interested participants should submit the complete application form in a prescribed format along with the registration fee in the form of demand draft in favor of “**Director, NIT Kurukshetra**” payable at SBI, NIT Kurukshetra (IFSC SBIN0006260).

REGISTRATION FEES

Faculty/Industry/R&D Participants : Rs. 2000.00
Students* : Rs. 1000.00

*Student (UG/PG/PhD) participants need to submit scanned copy of a valid proof/ID along with the registration form. Participants will be provided program kit, lunch and refreshment during the STC. However, accommodation can be arranged in hostel/guest house on nominal payment basis subject to the availability. No TA/DA will be paid to the participants. Limited numbers of seats are available; therefore, participants will be selected on first come-first serve basis. The registration form complete in all respects, accompanied by scan copy of demand draft of requisite amount should reach on or before **Aug. 28, 2018**. Please bring the original Demand Draft (DD) on first day of the course.

Registration form should be sent to:

Coordinator, SISION 2018, Department of Computer Engineering, National Institute of Technology, Kurukshetra- 136119 Haryana

Soft copy via email: sisionstc2018@gmail.com

IMPORTANT DATES

Registration Closes on	Aug. 28, 2018
Candidates to be informed by	Sept. 1, 2018,
Candidates to confirm participation by	Sept. 4, 2018

Note: Information regarding selection will be displayed on institute website. Selected candidates will also be informed by email.

ABOUT THE INSTITUTE

National Institute of Technology Kurukshetra is one among the foremost Institutes of National Importance imparting higher technical education in India. The institute is a residential institute well known for its dedicated faculty, staff and state-of-the-art infrastructure. The institute offers B.Tech., M.Tech., M.C.A., M.B.A. and Ph.D. programmes. The Institute enjoys an excellent job placement service for its graduate and post graduate students.

Kurukshetra - the land of the Mahabharata has traditionally been the epicenter of learning. The message of Bhagvata Gita is believed to have been delivered by Lord Krishna at this place. In addition to its spiritual significance, the city of Kurukshetra has steadily developed into a center of academic excellence hosting Kurukshetra University and National Institute of Design (NID). NIT Kurukshetra is 6 km away from Kurukshetra Junction and 10 km from Pipli located on NH-1. Nearest airport to Kurukshetra is Chandigarh Airport. Kurukshetra is well connected to Delhi by Bus/Train. To reach NIT Kurukshetra from Pipli/Railway Station, take auto-rickshaw for NIT. You may also take a rickshaw for NIT from University 3rd/2nd Gate.

REGISTRATION FORM Short-Term Course

on

Security Issues for Sensor, IOT and Opportunistic Networks (SISION)

Sept. 10-15, 2018

Name:

Designation:.....

Age.....

Organization:.....

Address for correspondence:
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Tel.....Mob.....

E-mail:.....

Qualification: (B.Tech. onwards)

Degree	Year	University

Experience:.....Years... ..Months

Courses Taught (last three years):
.....

Bank Draft Details*.....

(*Attach scan copy of DD)

Accommodation required: Yes / No

Forwarding by Head of Institution. Institution Seal