

Short term Course
on
**Recent Advances in Network and
Cloud Security**

December 10-11, 2015

Coordinators:

Dr. Neminath Hubballi

Dr. Somnath Dey



**Discipline of Computer Science and
Engineering
Indian Institute of Technology Indore**

About the Course

Now-a-days, several applications like ecommerce, military communication, virtual computing, etc. rely on the Internet due its low cost and any time connectivity. Advancement of communication technology and diversity of devices connecting to Internet introduces several privacy and security risks. Lot of research effort has gone in developing methodologies to address these risks. First part of this course introduces the detection and prevention methods of network security issues. It includes security issues in Voice over IP (VoIP), DHCP and IP.

Cloud computing is a virtual platform for computing and emerges as a new paradigm for dynamic computing. It brings additional security and privacy issues. Hence, the second part of this course presents the recent developments in addressing the security concerns of Cloud computing.

Course Content

This course includes lectures on the following topics:

- 1) Fundamentals of VoIP communication
- 2) Security issues in VoIP
- 3) Detection and Mitigation methods for VoIP
- 4) Event based Intrusion Detection
- 5) Cloud computing fundamentals
- 6) Security and privacy risks in Cloud computing
- 7) Authentication in Cloud
- 8) Denial of service detection

Registration

Registration can be done:

- 1) By Demand Draft (DD): Send a filled registration form (page 2) along with the DD to the communication address. DD should be drawn in favor of "**Registrar, IIT Indore**", payable at Indore. DD should be drawn from SBI, ICICI, HDFC, Axis, Bank of

India, Corporation bank, Canara bank or IDBI bank only.

2) NEFT Transfer: Transfer the amount to the account number given below and fill the online registration form [here](#) and send a screen shot of payment confirmation to the email address given below.

A/C No: 31702151577

Name: Indian Institute of Tech. Indore (Project & Consultancy Ac)

Bank: State Bank of India

Branch: Khandwa Road

IFSC Code: SBIN0011779

MICR Code: 452002029

Registration will be closed soon

Course Fee*

Industry Participant: Rs. 8000

Academic Faculty: Rs. 5000

Student Participant: Rs. 3000

*The course fee includes registration, lecture material, lunch and refreshments.

Course fee does not include accommodation charges.

Accommodation

Limited number of participants can be accommodated in the institute student hostel on sharing basis subject to availability. Charges per person/day is Rs 250/-.

*Accommodation requests will be confirmed 1 week before the event.

Communication Address

Dr. Neminath Hubballi

Assistant Professor, Discipline of Computer Science and Engineering, PACL Campus,

Survey No. 113/2-B, Opposite to Veterinary College, MHOW Road, Village Harnia Khedi, Tehsil MHOW, Indore 453 446, Madhya Pradesh,

Email: neminath@iiti.ac.in

Short Term Course
on
**Recent Advances in Network and
Cloud Security**

December 10-11, 2015

Coordinators:

Dr. Neminath Hubballi

Dr. Somnath Dey



**Discipline of Computer Science and
Engineering**
Indian Institute of Technology Indore

Registration Form

Personal Details

1. Name (In capital letters):
.....
2. Category: Industry/ Faculty*/ Student*
(*Students and Faculty Participants must enclose
a copy of their institute ID card):
3. Name of the Department /Centre:
.....
4. University / Organization:
.....
5. Mailing Address:
.....
.....
.....
.....
.....
6. Mobile number:
(+91)
7. Email:

Payment Details

8. Date of Registration:
9. Course Fee Amount: Rs.....
10. Payment Mode: (Demand Draft / Online
Transfer)
10. Demand Draft Number / Online Transaction
Number:
11. Bank Name:

Date: Signature:

Send to

Dr. Neminath Hubballi

Assistant Professor,

Discipline of Computer Science and Engineering,
PACL Campus, Survey No. 113/2-B (Opposite to
Veterinary College) MHOW Road, Village Harnia
Khedhi, Tehsil: MHOW, Indore 453 446, Madhya
Pradesh,

Email: neminath@iiti.ac.in