

## Final Agenda

### Summer Workshop on Distributed Computing, Networking and Security with Applications

### Innovative Curriculum for Undergraduate Computer Science and Engineering Students

Contact Person: Ratan Guha

Location: CSB 232

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August 1, 2005 – August 5, 2005

#### 8/1/05

- 9:00 -9:30 am Welcoming Remarks and Overview of the Workshop  
Ratan Guha
- 9:30 – 10:30 am Course on Modern Computer Networks  
Ratan Guha and Mostafa Bassiouni
- 10:30 – 11:00 am Coffee Break
- 11:00 – 12:15 pm Course on Modern Computer Networks - Continued  
Ratan Guha and Mostafa Bassiouni
- 12:15 – 1:30 pm Lunch Break
- 1:30 – 5:00 pm Computer Networks Laboratory – CC-I 204  
Graduate Students (Anirban Bag & Suchandra Goswami)
- 5:00 – 7:00 Reception

#### 8/2/05

- 9:00 – 10:30 am Distributed Computing  
Ratan Guha and Oleg Kachirski
- 10:30 – 11:00 am Coffee Break
- 11:00 – 12:15 pm Modern Wireless Networks  
Mainak Chatterjee
- 12:15 – 1:30 pm Lunch Break
- 1:30 – 2:15 pm “An Interactive Distributed Simulation Framework with  
Application to Wireless Networks and Intrusion Detection”  
Oleg Kachirski
- 2:30 – 5:00 pm Distributed Computing Laboratory – CSB 108  
Oleg Kachirski, Pankaj Gupta and Darshan Purandhare

#### 8/3/05

- 9:00 – 10:30 am Computer Network Security and Performability Concepts  
Jooan Lee and Mostafa Bassiouni
- 10:30 – 11:00 am Coffee Break
- 11:00 – 12:15 pm Modern Optical and Sensor Networks  
Mostafa Bassiouni
- 12:15 – 1:30 pm Lunch Break

1:30 – 2:15 pm      Access Games: A Game Theoretic Framework for Fair Bandwidth  
Sharing in Distributed Systems  
Sudipta Rakshit

2:30 – 5:00 pm      Network Security and Firewall Laboratory – CCI 204  
Joohan Lee, Darshan Purandhare, Abhishek Karnik

**8/4/05**

9:00 - 10:30 am      Module on Cryptography and Network Security  
Ratan Guha, and Joohan Lee

10:30 – 11:00 am      Coffee Break

11:00 - 12:30 pm      Module on Cryptography and Network Security  
Ratan Guha and Joohan Lee

12:30 - 1:30 pm      Lunch

1:30 – 3:00 pm      Modeling the Time Varying Behavior of Mobile Ad Hoc  
Networks  
Yi Qian  
High Performance Open Platform for Games AI Development  
Quasim Mehdi

3:00 – 3:30 pm      Coffee Break

3:30 – 4:00 pm      Introducing Cryptography to High School Students  
Arup Guha

4:00 – 4:30 pm      Internet Background Traffic Modeling and Intrusion  
Detection  
Song Luo

4:30 – 5:00 pm      Formal Verification of Security Protocol  
Zeeshan Furqan and Shahabuddin Muhammad

**8/5/05**

9:00 – 10:30 am      Informal Presentation of Teaching and Research  
Other Invited Faculty Members

10:30 – 11:00 am      Coffee Break

11:00 – 12:15 pm      Discussion and Conclusions  
All participants