

National Workshop on Simulation of Networks using NS2 Simulator [NWSN-2010]

Date: Friday, 24 September & Saturday, 25 September 2010

In association with



IEEE Computer Society Chapter, India Council



ISTAR, Vallabh Vidyanagar

Prof. D. N. Bhatt

Organizing Chair,
Director, ISTAR

Mr. Nirbhay Chaubey, Counsellor,
IEEE ISTAR SB & Co-ordinator NWSN-10

Dr. Priyanka Sharma

Convenor, NWSN-10

WHO CAN ATTEND

Open for Faculty Members/ Research Scholar/ Postgraduate/Undergraduate Students of Computer Science, Computer Engineering, Electronics Engineering or Professional from Industry as well.

Numbers of the Delegates are limited to 50 only.

ORGANISED BY :

IEEE ISTAR STUDENT BRANCH

Near V. P. Science College
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URL: www.ewh.ieee.org/r10/gujarat

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ABOUT IEEE ISTAR STUDENT BRANCH

On 19th July 2006, IEEE HQ. USA and IEEE Region 10 (Asea Pacific) approved its full fledged an IEEE Student Branch at ISTAR, the branch was inaugurated on 16th September 2006 by Dr. C. L. Patel, Chairman, Charutar Vidya Mandal, Vallabh Vidyanagar. ISTAR SB is the eighth student branch of the IEEE in Gujarat.

ABOUT THE WORKSHOP

Looking at the tremendous interest from academia and industry to use NS2 Network simulator in the research field of Wired, Wireless and Satellite communications Networks, we organize NWSN-2010. During the last decade simulation has become a very powerful and an important tool for planning, designing and controlling complex system. Nowadays an error in real life costs a lot of money. Computer Simulations is a practical approach to the quantitative analysis of a network. Network simulators serve a variety of needs. Compared to the cost and time involved in setting up an entire test bed containing multiple networked computers, routers and data links, network simulators are relatively fast and inexpensive. They allow researcher/engineers to test scenarios that might be particularly difficult or expensive to emulate using real hardware for instance, simulating the effects of a sudden burst in traffic or a DoS attack on a network service.

The main aims of the workshop is to provide the participants an in depth knowledge of NS2, simulating scenarios for wired/ wireless networks, add new functionality to NS, analyzing and processing simulation output/trace file, and plotting graph showing result.

ORGANISING COMMITTEE

Ms. Denisha Jarsania
Chairman., IEEE ISTAR SB

Mr. Rakesh Ramnani
Secretary, IEEE ISTAR SB

Mr. Abhishek Chaniyara,
Vice-Chair IEEE ISTAR SB

Mr. Alpesh Jikadra
Treasurer, IEEE ISTAR SB

Mr. Ashwin Kanani
Web Master, IEEE ISTAR SB

EXPERT FOR THE WORKSHOP

1. Dr. Sanjay Srivastava, Professor of DA-IICT, Gandhinagar
2. Prof. Tejas Vasavda, Computer Engineering, ADIT, Vallabh Vidyanagar

And other elite faculty (from reputed institute) who are specialized in the Networking and NS2 Network Simulator.

REGISTRATION FEES

IEEE MEMB.	: 1,200 Rs. /-
FACULTY	: 1,500 Rs. /-
INDUSTRY PROF.	: 1,800 Rs. /-
IEEE STUDENT MEMB.	: 600 Rs. /-
OTHER STUDENTS	: 800 Rs. /-

ABOUT NS2 NETWORK SIMULATOR

NS-2 is a very popular discrete event Network Simulator which is widely used in the research field of Wired, Wireless and Satellite Networks across both academia and industry as a way of designing, testing and evaluating new and existing protocols and architectures, and has also proven a very useful tool for teaching purposes.

NS-2 comes fully equipped of protocols, models, algorithms and accessory tools. NS-2 is an open source network simulator which is freely available for academic research purpose. Therefore, in terms of scientific acceptance, number of tools/modules and cost, NS-2 would be a sort of ideal choice.

NS-2 started as a variant of the REAL network simulator in 1989 and has since been supported by the Virtual InterNetwork Testbed (VINT) project that is a DARPA-funded research project whose aim is to build a network simulator. The first version of NS was for wired networks but the demand to support wireless networking made the Monarch Group to create new version NS-2. NS-2 uses two languages C++ to implement protocols and Object Oriented Tcl (OTcl) for configuration and simulation the scripts.

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:REGISTRATION FORM:

Full Name: (In which certificate will be issued) -

Age: _____ Sex: (Male/Female) _____

Category: Student / Faculty/ Industry Prof.

Qualification _____

Institution/University: _____

IEEE Mem.(Y/N) _____ Memb. Grade _____

IEEE Memb # _____

Member Through _____

Name of the Student branch/College belongs to:

Address: _____

Telephone: _____

Mobile _____

E-Mail: _____

Mode of Payment: Demand Draft/ Cheque in
favour of "IEEE ISTAR Student Branch" payable
at Vallabh Vidyangar, Gujarat, India

DD/Cheque No. _____

DD Issuing Bank _____

DD Date _____

Amount: _____

(Participant's Signature)

Place: _____ Date: _____

Forwarding Authority:

(Seal and Signature of the Principal of College /
Head of the Dept.).

**Note: Forwarding Authority only the IEEE Branch
Counsellor/ Principal of the College / Department
Head.**

Registration form can also be downloaded from
the following web-site.

www.ewh.ieee.org/sb/gujarat/istar

- Registration fees include Lunch/Tea for two Days Program & a CD containing NS-2 Simulator and course materials of the Workshop.
- Number of the Delegates are 50 only.
- IEEE Certificate will be awarded to all the participants.
- Accomodation: Accomodation may be provided on request (On chargeable basis).
- Filled up registration form along with fee should be sent at following address.

:IMPORTANT NOTE:

Filled up Registration Form along with the Fee should be sent or submitted to

Mr. Parag Moteria,

Organising Secretary of the NWSN-10,
Lecturer of MCA Department , ISTAR,
V.V.Nagar-388120, Mobile: +91-9428466873,
9428727770, 9033113928, 9898689271

E-mail: paragmoteria@gmail.com,
ieeeistarsbvvn@gmail.com

For NWSN-10, Office Use only :

Date: _____ Registration No.: _____

IMPORTANT DATE

Call for Participation Starts: 1st August 2010
Last date for Registration: 15th August 2010
Confirmation List: 17th August 2010

ABOUT COLLEGE

Institute of Science & Technology for Advanced Studies and Research, abbreviated as ISTAR, is established as a center of quality education offering exclusively post-graduation in science and technology. The Institute has been established by Charutar Vidya Mandal (CVM), an educational society. CVM has a mission of reinvigorating society through quality education. Since 1947 CVM has established over 40 institutions proving itself highly responsive to the changing socio-economic environment by venturing into various emerging disciplines under the continuous dynamic leadership of Late Shri Bhaikaka, Late Shri Bhikhabhai Saheb, Late shri H.M. Patel (ICS retired) and presently of Dr. C.L.Patel, the present Chairman of CVM. ISTAR is thriving under the patronage of CVM. The MCA Program is recognized by the AICTE, New Delhi and affiliated to the Gujarat Technological University, Ahmedabad.