- 2022 Activities -

NY Chapter of IEEE Computer Society
NY Chapter of IEEE Systems, Man, Cybernetics Society
NY IEEE Education Committee
IEEE Student Branch of LIU-Branch

[1] **December 20, Virtual Event – Forum: Post Moore Law's Computing**, Evening 6~9:00PM through Zoom Meeting hosted by IEEE Student Branch at LIU-Brooklyn, NY

[2] **October 4, Tuesday, 6 ~ 7:15 PM, NY Celebrating IEEE Day 2022 – "Leveraging Technology for a Better Tomorrow** Co-Sponsor: IEEE Student Branch at LIU-Brooklyn, NY
IEEE Student Branch at NYU
IEEE Student Branch at CityTech, NYC
NY Computer Society, NY SMC Society

Lecture - Intelligent Tutoring Systems, Prof. Feng-Jen Yang, PhD, Florida Polytechnic

[3] **June 8, Friday 6-8:00PM, Online IEEE Computer Society Distinguished Lecture - "Innovations in IoT for a Safe, Secure, and Sustainable Future" - Speaker: Prof. Swarup Bhunia,**
https://www.computer.org/profiles/swarup-bhunia
Internet of Things (IoT) promises to usher in the fourth industrial revolution through an exponential growth of smart connected devices deployed in myriad application domains. It gives rise to new relationships between man

and smart connected machines that might transform our everyday experiences. Such a transformation, however, builds on innovations at all levels in the IoT architecture – from edge devices to the cloud. In this talk, we will cover the IoT design practices and core technological challenges that need to be addressed to enable widespread deployment of IoT. We will focus on innovations in the areas of energy-efficiency, security, interoperability and intelligent decision making. Next, we will discuss several compelling applications of IoT that give unprecedented capability to us. In particular, we will cover applications of IoT in addressing some of the critical safety, security, and sustainability issues in our society.

Dr. Bhunia is a preeminent professor, director of the Warren B. Nelms Institute for the Connected World and Semmoto Chair Professor of Internet of Things in the department of Electrical and Computer Engineering at University of Florida, Gainesville, FL, USA.

June 8, 2022, Wednesday, 6~ 7:30 PM
Online IEEE Computer Society Distinguished Lecture - "Innovations in IoT for a Safe, Secure, and Sustainable Future" - Speaker: Prof. Swarup Bhunia
WebEx Meeting Information Hosted by Webex MGA-New-York
https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m6cb6b52fa9662cb037dc6378138cfb0e
Wednesday, Jun 8, 2022 6:00 pm | 1 hour 30 minutes | (UTC-04:00) Eastern Time (US & Canada)
Meeting number: 2537 112 5881
Password: TMg33WtCMc5

Joint Event hosted by
IEEE NY Chapter Computer Society and SMC Society,
IEEE Long Island Chapter of of Computer Society,
IEEE Mid-Hudson Chapter of of Computer Society,
IEEE New Jersey Coast Chapter, of of Computer Society,
IEEE Schenectady Chapter of of Computer Society,
IEEE Boston Chapter of Computer Society and
IEEE New York Chapter of Communications Society
IEEE Student Branch, Joint Chapter of Computer Society and SMC Society at LIU-Brooklyn
IEEE Student Branch at City Tech, City University of New York(CUNY)
IEEE Student Branch at NYU Tandon School of Engineering (NYU-Tandon)

[4] May 1, Sunday 6-8:00PM
Online Seminar - " SOA-based Fiber Laser and its Applications in Fiber Optics", Speaker: Dr. Muhammad Ali Ummy, Associate Professor, Department of Electrical and Telecommunication Engineering Technology of the New York City College of Technology, CUNY CityTech
Joint Event hosted by
the IEEE Student Branch at LIU-Brooklyn &
the IEEE Student Branch at NYC CityTech.,
Education Committee of New York Section

[5] **April 29, 2022**, IEEE Computer Society Virtual Seminar, Friday, 6~7:00 PM. Speaker: **Dr. Irfan Lateef, Principal Solution Architect at NEC IEEE Computer Society Lecture - Machine Learning Techniques for Network Analysis**

Joint Event hosted by Hosted by Webex MGA-New-York Co-sponsored by Computer NY Chapter, Computer Society Long Island Chapter, Computer the Mid-Hudson Chapter, Computer Schenectady Chapter, SMC New York, and the Student Branch at LIU-Brooklyn

2022 Past Webinars

IEEE Computer Society Virtual Seminar

April 29, 2022, Friday, 6~ 7:00 PM

"Machine Learning Techniques for Network Analysis"

Speaker: Dr. Irfan Lateef, Principal Solution Architect at NEC

IEEE Computer Society Lecture - Machine Learning Techniques for Network Analysis
Joint Event hosted by
Hosted by Webex MGA-New-York
Co-sponsored by Computer NY Chapter, Computer Society Long Island Chapter, Computer the Mid-Hudson Chapter, Computer Schenectady Chapter, SMC New York, and the Student Branch at LIU-Brooklyn

Join Meeting
https://ieeemeetings.webex.com/ieeemeetings/j.php?MTID=m64ed1ebea3b0770bef92f876c51867fa
Friday, Apr 29, 2022 6:00 pm | 1 hour 45 minutes | (UTC-04:00) Eastern Time (US & Canada)
Meeting number: 2539 213 1109
Password: VAu5xUUAT67
Join by phone
+1-415-655-0002 United States Toll
1-855-282-6330 United States Toll Free
Access code: 253 921 31109

ABSTRACT: Dr. Lateef will provide a high-level overview of the various Machine Learning Techniques and their application to large data networks analysis. He will cover the current start of the art techniques and the challenges and shortcomings. A few techniques will then be presented to address these challenges and demonstrate their application in network analysis.

Speaker Bio: Dr. Irfan Lateef is currently the chair of IEEE NJ Coast Section and working as a Principal Solution Architect at NEC, where he supports the global 5G business development activities, End-to-End solution engineering, partnership and alliances and sales engineering.

He has over 25 years of experience in the Telecom industry in wireline and wireless technologies including, evolving compute/network virtualization (SDN/NFV) and wireless (4G,5G) technologies directing multi-sized global teams to build new products and complex solutions for driving new revenues. Leverages trusted

relationships with senior executives for driving pre-sales, solution architecture, and business development activities.

Most recently, he has been focusing on 5G Open RAN, massive MIMO, and Machine Learning technologies deployments in global Tier1 operators. He is a global technology leader who leverages technical strategy, innovative thinking, and business experience to create and sell transformative solutions in the telecom industry.

Before NEC, Irfan has worked in AT&T, Verizon, Juniper, Lucent Bell Labs, and several other startups and Tier1 telecom equipment vendors.

He has a Ph.D. in Computer Engineering and a Master's in Telecommunications, and his topics of interest include Machine Learning, Artificial Intelligence, Eigendecomposition, Signal processing, Anomaly Detection, and RAN Cross-Layer Optimization.