

IEEE North Jersey Section

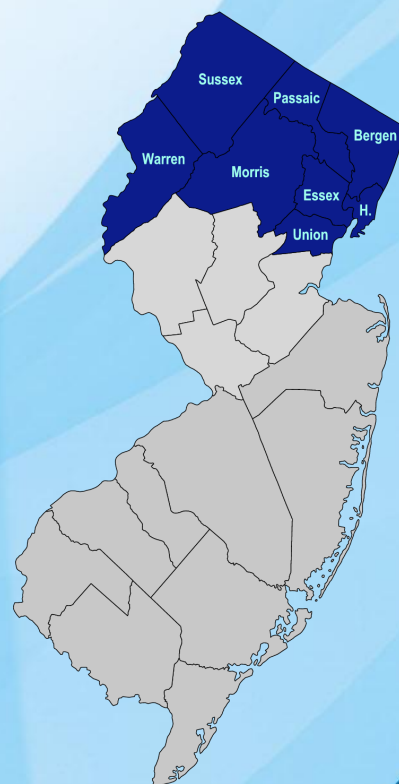
IEEE North Jersey Section Newsletter

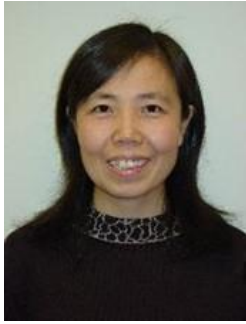
VOL. 70, NO. 03 Issue: March 2024

Prior registration is highly encouraged to attend any event.

IEEE North Jersey Section Website

IEEE North Jersey Section - Roster





Chair's Note - A Message from the IEEE North Jersey Section Chair, Prof. Hong Zhao

As we move further into the year, I am pleased to share with you some exciting updates and events happening within our community.

We are excited to announce several upcoming events focused on artificial intelligence (AI). These include discussions on AI-powered math information retrieval, AI Native wireless systems, generative AI in education and a special talk by the IEEE President on societal and ethical concerns with responsible AI. These events promise to be informative and thought-provoking, and I encourage all members to participate.

We are proud to co-sponsor some of the events within our region and across regions. These partnerships allow us to broaden our impact and reach a wider audience, furthering our mission of advancing technology for the benefit of society.

Best wishes,

Hong Zhao, IEEE North Jersey Section Chair

IEEE – IMPORTANT EVENTS, ARTICLES, ANNOUNCEMENTS, AND REMINDERS:

- [This Month's Communications Society News from Around the World](#)
- **The Edison-Montessori Connection** - An article by Harry Roman
- [ED/CAS Distinguished Lecture](#) to be held on April 3, 2024

The Edison-Montessori Connection

The Montessori method of education stressed the development of a child's own initiative and natural abilities—especially through practical play and a hands-on, self-paced approach to learning aimed at inspiring creativity and imagination, along with independent thinking, which sounds a great deal like today's STEM educational paradigm.

In 1912, Maria visited the United States to great acclaim and stayed at the lovely Glenmont West Orange home of Thomas Edison—who was quoted as saying ... "I like the Montessori method.

It teaches through play. It makes learning a pleasure. It follows the natural instincts of the human being ... The present [education] system casts the brain into a mold. It does not encourage original thought or reasoning.” This meshes well with Edison’s many career pronouncements about changing the current form of American education to make it more practical. It is worthwhile to note that early markets that Edison envisioned for his phonograph and motion pictures were to be school classrooms.

Other Montessori admirers included Alexander Graham Bell, Helen Keller, Henry Ford, Woodrow Wilson, and Mahatma Gandhi. and include modern entrepreneurs/innovators and former Montessori method students Larry Page, Sergey Brin, and Jeff Bezos. Today, there may be as many as 8,000 Montessori schools flourishing in the United States.

Maria Montessori, born in 1870, was the first woman in Italy to receive a medical degree. She initially worked in the fields of psychiatry, education, and anthropology, eventually concentrating on education in 1907. She was truly a liberated woman who entertained the thought of becoming an engineer.

Talk to you again soon...

Harry (Harry T. Roman, Life Senior Member, Author & Advisor, Edison Innovation Foundation (Retired-PSE&G Co.), htroman49@aol.com)

- **ED/CAS Distinguished Lecture** to be held on **April 3, 2024**

   <i>Electron Devices and Circuit & Systems Distinguished Lecture</i> Co-sponsored by AP/MTT Chapter & North Jersey Section	
Tsu-Jae King Liu Dean and Roy W. Carlson Professor of Engineering University of California, Berkeley	
Title: <i>Semiconductor Innovation for Transformative Impact</i>	
Date: April 3, 2024, at 2:30pm	
Lecture Followed by a Reception	
Location: Campus Center Ballroom B	
Abstract, Biography & Registration https://events.vtools.ieee.org/m/376864	



Fairleigh Dickinson University
Gildart Haase School of Computer Sciences & Engineering (GHSCSE)

GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Tuesday, March 19, 2024, 5 p.m.

Cybersecurity Leadership: "National Center of Academic Excellence for Cyber Defense Education (CAE-CDE)" by NSA

18 cutting-edge labs, among the best in the North and Mid-Atlantic Regions

Offers 6 Masters of Science (MS) Programs

*Cybersecurity & Information Assurance	*Management Information Systems
*Electrical Engineering	*Computer Engineering
*E-Commerce	*Computer Science (Data Science, Cloud Computing and more)

Scan Zoom Registration



Scan Grad Program Info














Fairleigh Dickinson University
Gildart Haase School of Computer Sciences & Engineering (GHSCSE)

GRADUATE SCHOOL VIRTUAL OPEN HOUSE!

Tuesday, April 16, 2024, 5 p.m.

Cybersecurity Leadership: "National Center of Academic Excellence for Cyber Defense Education (CAE-CDE)" by NSA

18 cutting-edge labs, among the best in the North and Mid-Atlantic Regions

Offers 6 Masters of Science (MS) Programs

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Calendar of Events

Upcoming Events: March 2024 Onwards

Title	Date	Hosts	Location
EMC and Power Electronics Workshop : North Jersey Section Jt Chapter,AP03/MTT17	06 Mar 2024 10:30 AM	CH01092, CH01178, CH01184	Virtual
Beyond Automation: Empowering Students through Generative AI and Innovation! : Montclair State Univ	06 Mar 2024 03:00 PM	CH01096, R10327, STB21201	Montclair, New Jersey
IEEE North Jersey Section EXCOM - Meeting 6:30 PM : North Jersey Section	06 Mar 2024 06:30 PM	R10327	Hybrid Newark, New Jersey
AI-Powered Math Information Retrieval: What We Have & What We Need : Maine Section Chapter,C16/COM19	07 Mar 2024 12:00 PM	CH01070, CH01075, R1, R10017, R2, STB00961, WE10327	Virtual

Title	Date	Hosts	Location
LMMs for AI-Native Wireless Systems - AI/ML webinar : North Jersey Section	07 Mar 2024 06:00 PM	R10327	Virtual
Dr Tom Coughlin IEEE President: Prioritizing Societal and Ethical Concerns with Responsible AI : UK and Ireland Section Chapter, SIT30	13 Mar 2024 06:00 PM	CH01070, CH01092, CH01285, CH02100, CH07171, CH08031, CH08381, CH08667, LM20043, SIGHT060, SIGHT119, SIGHT177, WE10327	Virtual
Optimizing ORAN Security Design and Considerations : North Jersey Section	20 Mar 2024 11:00 AM	R10327	Virtual
Artificial General Intelligence (AGI)-Native Wireless Systems with Common Sense : North Jersey Section	21 Mar 2024 12:00 PM	R10327	Virtual

Title	Date	Hosts	Location
IEEE Prof Ali Abedi MESAT1-Maine's 1st Small Satellite : Northeastern USA - Region 1	29 Mar 2024 08:00 PM	CH01070, CH01075, CH01092, R1, R2, SIGHT119, SIGHT177, STB00961, WE10327	Virtual
EDS/CASS Distinguished Lecture: Semiconductor Innovation for Transformative Impact : North Jersey Section Jt Chapter,CAS04/ED15	03 Apr 2024 02:15 PM	CH01092, CH01184	Newark, New Jersey
AI Cybersecurity : North Jersey Section Chapter,C16	17 Apr 2024 12:00 PM	CH01091, CH01177	Virtual Teaneck , New Jersey
IEEE SSIT Lecture: Self-Driving Cars: The Good, the Bad & the Ugly : UK and Ireland Section Chapter, SIT30	30 Apr 2024 06:00 PM	CH01070, CH01285, CH02193, CH04051, CH06042, CH07171, CH08031, CH08381, CH08432, CH08667, CH08709, SIGHT060,	Virtual

Title	Date	Hosts	Location
		SIGHT119	
2024 IEEE North Jersey Section Awards Banquet : North Jersey Section	05 May 2024 03:00 PM	R10327	Whippany, New Jersey
Dr Robert Wilson, Nobel Laureate: Celebration 60th Anniversary 1st Measure of Cosmic Microwave Background Radiation CMB Big Bang Origins of the Universe : New Jersey Coast Section Jt. Chapter,IM09/C16	20 May 2024 12:00 PM	CH01070, CH01092, SIGHT119, WE10327, YP10327	Middletown Township, New Jersey
Summer Camp for Female Middle School and High School Students: SHE in ECE : North Jersey Section Jt Chapter,CAS04/ED15	02 Jul 2024 08:15 AM	CH01092, CH01178, CH01184, R10327, SIGHT177, WE10327	Newark, New Jersey

For Past Month's Events - February 2024 - [Click Here](#)

2024 IEEE North Jersey Section Volunteers

Executive Committee

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Chair – Vacant

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