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Fraida Fund

Affiliation

Research Assistant Professor
Center for Advanced Technology in Telecommunications (CATT), NYU WIRELESS,
Department of Electrical and Computer Engineering,
NYU Tandon School of Engineering, Brooklyn, NY.

Education

2012-2018 **PhD in Electrical Engineering**
NYU Tandon School of Engineering, Brooklyn, NY.
PhD Advisor: Professor Shivendra S. Panwar.
PhD topic: Economics of resource sharing in millimeter wave wireless networks.

2012 **Bachelor of Science in Electrical Engineering**
Polytechnic Institute of New York University, Brooklyn, NY.
Bachelor of Science in Electrical Engineering, minor in Computer Science
I started my B.S. at Brooklyn College of the City University of New York (2008-2010) and then transferred to NYU (2010-2012).

Publications

Firas Moosvi, **Fraida Fund**, Varada Kolhatkar, Meiying Qin, Thomas Price, and Lisa Zhang. "Effective strategies for teaching machine learning". *Proceedings of the 40th Annual AAAI Conference on Artificial Intelligence*, 2026.

Fraida Fund, Kate Keahey, Cody Hammock, Marc Richardson, Mark Powers, and Michael Sherman. "The cost of teaching operational ML". In *Proceedings of the SC '25 Workshops of the International Conference for High Performance Computing, Networking, Storage and Analysis*, SC Workshops '25, page 393–400, New York, NY, USA, 2025. Association for Computing Machinery.

Stephanie Lieggi, **Fraida Fund**, Kate Keahey, and Marc Richardson. "Summer of reproducibility: Building global capacity for practical reproducibility through hands-on mentorship". In *Proceedings of the 3rd ACM Conference on Reproducibility and*

Replicability, ACM REP '25, page 218–223, New York, NY, USA, 2025. Association for Computing Machinery.

Fraida Fund, Mohamed Saeed, Shaivi Malik, and Kyrillos Ishak. "Learning from irreproducibility: Introducing data leakage case studies for machine learning education". In *Proceedings of the 3rd ACM Conference on Reproducibility and Replicability*, ACM REP '25, page 224–228, New York, NY, USA, 2025. Association for Computing Machinery.

Ahmed Farrukh, Mohamed Saeed, and **Fraida Fund**. "Does quantization improve inference speed? it depends". In *2025 IEEE CCGrid Workshop on Research Infrastructures for Experimenting Across the HPC-Cloud-Edge Continuum (ContinuumRI 2025)*, Tromsø, Norway, May 2025.

Fatih Berkay Sarpkaya, **Fraida Fund**, and Shivendra Panwar. "To adopt or not to adopt L4S-compatible congestion control? understanding performance in a partial L4S deployment". In *26th International Conference on Passive and Active Measurement (PAM 2025)*, page 217–246, 2025.

Fatih Berkay Sarpkaya, Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "To switch or not to switch to TCP Prague? incentives for adoption in a partial L4S deployment". In *2024 Applied Networking Research Workshop (ANRW '24)*, ANRW '24, page 45–52, New York, NY, USA, 2024. Association for Computing Machinery.

Yuncheng Yao, **Fraida Fund**, and Shivendra Panwar. "Achieving end-to-end low-latency service across wireless and wireline networks". In *2025 IEEE INFOCOM International Workshop on Next-generation Open and Programmable Radio Access Networks (NGOPERA 2025)*, page 6.88, London, United Kingdom (Great Britain), May 2025.

Fatih Berkay Sarpkaya, Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "BBR's sharing behavior with CUBIC and Reno". In *2025 IFIP Networking Conference (IFIP Networking 2025)*, Limassol, Cyprus, May 2025.

Soumyadeep Datta and **Fraida Fund**. "Replication: "When to use and when not to use BBR"". In *2023 ACM Conference on Internet Measurement (IMC '23)*, page 30–35, Montreal QC, Canada, October 2023.

Fraida Fund. "We need more reproducibility content across the computer science curriculum". In *ACM Conference on Reproducibility and Replicability (ACM REP '23)*, Santa Cruz, CA, June 2023.

Ufuk Usubutun, **Fraida Fund**, and Shivendra Panwar. "Do switches still need to deliver packets in sequence?". In *2023 IEEE 24th International Conference on High Performance Switching and Routing (IEEE HPSR 2023)*, Albuquerque, USA, June 2023.

Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "Some of the internet may be heading towards BBR dominance: an experimental study". In *2023 IEEE INFOCOM International Workshop on Computer and Networking Experimental Research using Testbeds (CNERT 2023)*, New York area, USA, May 2023.

Dimitrios Mastrogiannis, **Fraida Fund**, and Shivendra Panwar. "Demo: Evaluating a multicast backhaul protocol for reliable low latency communication over mmwave links". In *2023 IEEE INFOCOM International Workshop on Computer and Networking Experimental Research using Testbeds (CNERT 2023)*, New York area, USA, May 2023.

Ilknur Aydin, **Fraida Fund**, and Shivendra Panwar. "Demo: A data set and reference experiments for multipath wireless emulation on public testbeds". In *2023 IEEE INFOCOM International Workshop on Computer and Networking Experimental Research using Testbeds (CNERT 2023)*, New York area, USA, May 2023.

Athanasios Koutsaftis, Mustafa F. Özkoç, **Fraida Fund**, Pei Liu, and Shivendra S. Panwar. "Fast wireless backhaul: A multi-connectivity enabled mmwave cellular system". In *2022 IEEE Global Communications Conference (GLOBECOM 2022)*, pages 1813–1818, 2022.

Ashutosh Srivastava, **Fraida Fund**, and Shivendra S. Panwar. "Coexistence of delay-based TCP congestion control: Challenges and opportunities". In *2022 IEEE International Workshop Technical Committee on Communications Quality and Reliability (CQR)*, pages 43–48, 2022.

Daisy Roberts, Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "Demo: Tackling the latency divide with Copa". In *2021 IEEE INFOCOM International Workshop on Computer and Networking Experimental Research Using Testbeds (CNERT '21)*, May 2021.

Bintia Keita, Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "Demo: Experimental evaluation of the impact of Tor latency on web browsing". In *2021 IEEE INFOCOM International Workshop on Computer and Networking Experimental Research Using Testbeds (CNERT '21)*, May 2021.

Caglar Tunc, Mustafa F. Özkoç, **Fraida Fund**, and Shivendra S. Panwar. "The blind side: Latency challenges in millimeter wave networks for connected vehicle applications". *IEEE Transactions on Vehicular Technology*, 70(1):529–542, 2021.

Fraida Fund, Shahram Shahsavari, Shivendra Panwar, and Elza Erkip. "A model for joint engineering-economic analysis of cellular systems". *IEEE Wireless Communications Letters*, 10(2):344–348, 2021.

Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "An experimental evaluation of low latency congestion control for mmWave links". In *INFOCOM 2020 Workshop on Computer and Networking Experimental Research using Testbeds (CNERT 2020)*, Toronto, Canada, July 2020.

Ashutosh Srivastava, **Fraida Fund**, and Shivendra Panwar. "A low latency congestion control that can compete". In *Student Workshop at CoNEXT'20*, page 15–16, 2020.

Rajeev Kumar, Athanasios Koutsaftis, **Fraida Fund**, Gaurang Naik, Pei Liu, Yong Liu, and Shivendra Panwar. "TCP BBR for ultra-low latency networking: Challenges, analysis, and solutions". In *2019 IFIP Networking*, 2019.

Shahram Shahsavari, **Fraida Fund**, Elza Erkip, and Shivendra Panwar. "Capturing capacity and profit gains with base station sharing in mmwave cellular networks". In *INFOCOM 2020 Workshop on Millimeter Wave Networks and Sensing Systems (mmNets)*, pages 603–609, 2018.

Fraida Fund, Shahram Shahsavari, Shivendra Panwar, Elza Erkip, and Sundeep Rangan. "Resource sharing among mmwave cellular service providers in a vertically differentiated duopoly". In *IEEE ICC 2017 Next Generation Networking and Internet Symposium (ICC'17 NGNI)*, Paris, France, May 2017.

Jazmin Zamora, **Fraida Fund**, Athanasios Koutsaftis, and Shivendra S. Panwar. "Demo: An open-access research testbed for visible light communication". In *4th ACM Workshop on Visible Light Communication Systems (VLCS '17)*, page 31, 2017.

Caleb Smith-Salzberg, **Fraida Fund**, and Shivendra Panwar. "Bridging the digital divide between research and home networks". In *2017 IEEE INFOCOM International Workshop on Computer and Networking Experimental Research Using Testbeds (CNERT '17)*, Atlanta, GA, USA, May 2017.

Fraida Fund, Shahram Shahsavari, Shivendra S. Panwar, Elza Erkip, and Sundeep Rangan. "Do open resources encourage entry into the millimeter wave cellular service market?". In *Proceedings of the Eighth Wireless of the Students, by the Students, and for the Students Workshop*, S3, pages 12–14, New York, NY, October 2016.

Vicraj Thomas, Niky Riga, Sarah Edwards, **Fraida Fund**, and Thanasis Korakis. "GENI in the classroom". In Rick McGeer, Mark Berman, Chip Elliott, and Robert Ricci, editors, *The GENI Book*, pages 433–449. Springer International Publishing, 2016.

Fraida Fund, Regina Lin, Thanasis Korakis, and Shivendra Panwar. "How bad is the flat earth assumption? Effect of topography on wireless systems (invited paper)". In *The 2016 International Workshop on Wireless Network Measurements and Experimentation (WiNMeE'16)*, pages 50–54, Tempe, USA, May 2016.

Fraida Fund, S. Amir Hosseini, and Shivendra S. Panwar. "Under a cloud of uncertainty: legal questions affecting Internet storage and transmission of copyright-protected video content". *IEEE Network*, 30(2):32–38, March 2016.

S. Amir Hosseini, **Fraida Fund**, and Shivendra S. Panwar. "(Not) yet another policy for scalable video delivery to mobile users". In *Proceedings of the 7th ACM International Workshop on Mobile Video*, MoVid '15, pages 17–22, Portland, OR, March 2015. ACM.

Fraida Fund, S. Amir Hosseini, and Shivendra S. Panwar. "More bars, more bang for the buck: Channel-dependent pricing for video delivery to mobile users". In *Proceedings of the 2014 IEEE INFOCOM Workshop on Smart Data Pricing*, Toronto, Canada, April 2014.

Yanyan Zhuang, Eleni Gessiou, Steven Portzer, **Fraida Fund**, Monzur Muhammad, Ivan Beschastnikh, and Justin Cappos. "Netcheck: Network diagnoses from blackbox traces". In *Proceedings of the 11th USENIX Symposium on Networked Systems Design and Implementation*, NSDI '14, Berkeley, CA, April 2014. USENIX.

Fraida Fund, Cong Wang, Yong Liu, Thanasis Korakis, Michael Zink, and Shivendra S. Panwar. "Performance of DASH and WebRTC video services for mobile users". In *Proceedings of the 2013 20th International Packet Video Workshop*, PV '13, San Jose, CA, December 2013.

Fraida Fund, Thanasis Korakis, and Shivendra Panwar. "Implementation of a protocol for cooperative packet recovery over hybrid networks". In *Proceedings of the 8th ACM International Workshop on Wireless Network Testbeds, Experimental Evaluation and Characterization*, WiNTECH '13, Miami, FL, September 2013. ACM.

Fraida Fund, Cong Wang, Thanasis Korakis, Michael Zink, and Shivendra Panwar. "GENI WiMAX performance: Evaluation and comparison of two campus testbeds". In *Proceedings of the 2nd GENI Research and Educational Experiment Workshop*, GREE '13, Salt Lake City, Utah, USA, March 2013.

Other Presentations

2025 **Webinar** Chameleon, "Teaching machine learning operations (MLOps) at scale".

2024 **Tutorial** ACM REP 2024, "Practical strategies for teaching reproducibility".

2024 **Tutorial** KNIT 8 FABRIC Community Workshop, "FABRIC for education: best practices and resources for teaching with FABRIC".

2024 **Tutorial** KNIT 8 FABRIC Community Workshop, "Reproducible Research on FABRIC: Tutorial and Hackathon".

2023 **Presentation** 2023 Illinois Computer Science Summer Teaching Workshop, "Using experimental research infrastructure in the CS classroom".

2023 **Keynote presentation** 2023 Chameleon User Meeting, "A Roadmap to Deeper Learning Using Research Infrastructure".

2023 **Panelist** 2023 Love Data Week, Panelist in Open Research and Reproducibility Across Disciplines session.

2022 **Panelist** 2022 MERIF Workshop, Panelist in Reproducibility session.

2022 **Lightning Presentation** 2022 The Networking Channel, Session on Open Educational Resources for Teaching and Learning Networking.

2020 **Panelist** 2021 New England Workshop on Software-Defined Radio (NEWSDR 2021), Panelist in Lessons Learned – Using SDR in the Classroom session.

2020 **Panelist** 2020 ACM Sigcomm Education Workshop and Community Discussion, Panelist in Community Resources session, also contributed whitepaper on "Teaching computer networks with GENI".

2020 **Panelist** 2020 New England Workshop on Software-Defined Radio (NEWSDR 2020), Panelist in Open Source Software in SDR session.

2017 **Tutorial** "Man-in-the-middle attack on a WiFi hotspot": using wireless testbeds on GENI for network security research, GENI Regional Workshop at University of Oregon, Eugene, OR.

2017 **Seminar presentation**
"An economic perspective on spectrum and infrastructure sharing in millimeter wave cellular networks" presentation at Trinity College, Dublin; Imperial College, London; and Telecom ParisTech, Paris.

2012-2017 **Tutorial introduction to wireless experimentation on GENI**
13th, 14th, 15th, 16th, 18th, 19th, 20th, 21st, 22nd, 23rd GENI Engineering Conferences, 2017 GENI Regional Workshop at Florida International University.

2016 **Run your own classroom spectrum challenge**
GRCon '16 (2016 GNU Radio Conference), Boulder, CO.

2016 **"Run My Experiment on GENI" tutorial**
2016 GENI Regional Workshop at Arizona State University, Tempe, AZ.

2015-2016 **Experimenter-Educator-Developer roundtable panel**
23rd, 24th GENI Engineering Conferences.

2014 **Experiences using GENI in networking classes**
Introduction to GENI workshop at Morgan State University, Baltimore, MD.

2014 **Other research presentations (seminars)**
Hebrew University of Jerusalem; Bar Ilan University; Jerusalem College of Technology (Machon Lev), Israel.

Academic community service

2026 **Technical Program Committee** WiOpt 2026.

2026 **Technical Program Committee** EAAI 2026.

2026 **Technical Program Committee** IEEE INFOCOM 2026.

2025 **Technical Program Committee** ContinuumRI 2025.

2025 **Technical Program Committee** WiNTECH 2025.

2025 **Technical Program Committee** WiOpt 2025.

2025 **Technical Program Committee** ACM REP 2025.

2025 **Technical Program Committee** IFIP Networking 2025.

2025 **Technical Program Committee** IEEE INFOCOM 2025.

2024 **Education Chair** MERIF 2024.

2024 **Technical Program Committee** WiOpt 2024.

2024 **Technical Program Committee** ACM REP 2024.

2024 **Technical Program Committee** IFIP Networking 2024.

2023 **Tutorial Chair** MERIF 2023.

2023 **Workshop Organizer** Education mini-symposium at Chameleon User Meeting 2023.

2023 **Workshop Organizer** "Creating Algorithmically Generated Questions Using a Modern, Open-sourced, Online Platform: PrairieLearn" at SIGCSE TS 2023.

2023 **Artifact Evaluation Committee** CoNEXT 2023.

2023 **Technical Program Committee** ACM REP 2023.

2023 **Technical Program Committee** WiOpt 2023.

2023 **Technical Program Committee** IFIP Networking 2023.

2019 **Technical Program Committee** MERIT 2019.

2019 **Technical Program Committee** MERIT 2019.

2018 **Organizer** GENI Experimenter Contest.

2017 **Lead Judge** GENI Experimenter Contest.

Ad-Hoc Peer Review IEEE Transactions on Mobile Computing, IEEE Transactions on Cognitive Communications and Networking, IEEE Transactions on Green Communications and Networking, IEEE Transactions on Network Science and Engineering, IEEE Transactions on Vehicular Technology, Elsevier Computer Communications, Elseiver Computer Networks.

Funding

2022 **EAGER: Bootstrapping NSF-Supported Infrastructure with Open Educational Resources**
PI, NSF Award 2231984, $100,000.

2022 **Collaborative Research: Disciplinary Improvements: Repeto: Building a Network for Practical Reproducibility in Experimental Computer Science**
PI, NSF Award 2226408, $180,000,
With Kate Keahey and Haryadi Gunawi at University of Chicago (lead institution), Carlos Maltzahn at UC Santa Cruz ($1.5 million total).

2022 **Collaborative Research: CyberTraining: Implementation: Medium: FOUNT: Scaffolded, Hands-On Learning for a Data-Centric Future**
PI, NSF Award 2230079, $175,000,
With Kate Keahey at University of Chicago (lead institution), Erez Zadok at SUNY Stony Brook, David Koop at Northern Illinois University, Ilkay Altintas at UC San Diego ($1 million total).

2021 **Fast wireless backhaul**
PI, Gift award from CISCO, $100,000.

2019 **Addressing queuing delay at the edge of mmWave 5G networks**
Participant, Gift award from CISCO, $100,000,
PI: Shivendra S. Panwar.

2016 **EARS: Spectrum and infrastructure sharing in millimeter wave cellular networks**
Contributor, NSF Award 1547332, $750,000,
PI: Sundeep Rangan, Elza Erkip, Nicholas Economides.

2013 **EAGER: Design, development and standardization of a new hands-on lab component for use in wireless information systems courses, based on the GENI Wireless research facilities**
Contributor, NSF Award 1258331, $130,000 ,
PI: Thanasis Korakis.

Research Internships and Visiting Research

Summer 2017 **Nokia Bell Labs** Murray Hill, NJ,
Advisor: Katherine Guo.

Summer 2014 **CERTH – The Centre for Research & Technology, Hellas** Volos, Greece,
Advisor: Professor Leandros Tassiulas, George Iosifidis.

Summer 2013 **AT&T Labs Research** Florham Park, NJ,
Advisor: Vaneet Aggarwal, Rittwik Jana, Ioannis Broustis, N K Shankaranarayanan.

Honors and Awards

Best Paper/Poster/Demo Awards

Best Paper Award at IEEE HSPR 2023, "Do Switches Still Need to Deliver Packets in Sequence?".

Reproducibility award at CNERT workshop at INFOCOM 2023, "Some of the Internet may be heading towards BBR dominance: an experimental study".

Reproducibility award at CNERT workshop at INFOCOM 2020, "An Experimental Evaluation of Low Latency Congestion Control for mmWave Links".

Best Paper Award at CNERT workshop at INFOCOM 2017, "Bridging the digital divide between research and home networks". The first author on this work is a high school student doing research under my supervision.

Best Poster Award at IEEE Sarnoff Symposium 2016, "Do open resources encourage entry into the mmWave cellular service market?"

2nd Prize Demo Award at NYC Media Lab Summit 2016, "Bridging the empathy gap between web developers and users"

Best Demo Runner Up at 23rd GENI Engineering Conference (2015), "GENI for Classes and GENI for the Massess"

Best Research Paper Award at 2013 GENI Research and Educational Experiment Workshop, "Performance: Evaluation and Comparison of Two Campus Testbeds".

Student Travel Grants

Support for travel to: 12th GENI Engineering Conference (GEC12) in Kansas City, MO; 8th International Conference on Testbeds and Research Infrastructure for the Development of Networks and Communities (Tridentcom 2012) in Thessaloniki, Greece; 19th Annual International ACM Conference on Mobile Computing and Networking (MobiCom 2013) in Miami, FL.

2017 **Rising Stars in EECS 2017**

Selected to participate in the Rising Stars in EECS 2017 workshop at Stanford University, which aims to bring together top senior Ph.D. and postdoctoral candidates preparing for careers in academia (70 participants were invited out of approximately 370 applicants).

2012 **NSF Graduate Research Fellowship (3 years of support)**
National Science Foundation.

2012 **Honorable Mention, CRA Outstanding Undergraduate Research Award**
Computing Research Association.

2011 **International Engineering Consortium**
William L. Everitt Award of Excellence
Polytechnic Institute of NYU, Brooklyn, NY.

2010 **Jonathan Marc Zimmering Award for Undergraduate Engineering Study**
Brooklyn College of the City University of New York, Brooklyn, NY.

Teaching - NYU Tandon School of Engineering

Spring 2026 **Instructor, Machine Learning Systems Engineering and Operations (G).**

Spring 2026 **Instructor, Introduction to Machine Learning (G).**

Spring 2026 **Lab Instructor, Internet Architecture and Protocols (G).**

Fall 2025 **Instructor, Introduction to Machine Learning (G).**

Fall 2025 **Lab Instructor, Internet Architecture and Protocols (G).**

Summer 2025 **Instructor, Introduction to Machine Learning (G).**

Spring 2025 **Instructor, Machine Learning Systems Engineering and Operations (G).**

Spring 2025 **Instructor, Introduction to Machine Learning (G).**

Spring 2025 **Lab Instructor, Internet Architecture and Protocols (G).**

Fall 2024 **Instructor, Introduction to Machine Learning (G).**

Fall 2024 **Lab Instructor, Internet Architecture and Protocols (G).**

Summer 2024 **Instructor, Introduction to Machine Learning (G).**

Spring 2024 **Instructor, Introduction to Machine Learning (G).**

Spring 2024 **Lab Instructor, Internet Architecture and Protocols (G).**

Fall 2023 **Instructor, Introduction to Machine Learning (G).**

Fall 2023 **Lab Instructor, Internet Architecture and Protocols (G).**

Summer 2023 **Instructor, Introduction to Machine Learning (G).**

Spring 2023 **Instructor, Introduction to Machine Learning (G).**

Spring 2023 **Instructor, Senior Design Project in Computer Engineering (DP II) (UG).**

Spring 2023 **Lab Instructor, Internet Architecture and Protocols (G).**

Fall 2022 **Instructor, Introduction to Machine Learning (G).**

Fall 2022 **Instructor, Senior Design Project in Computer Engineering (DP I) (UG).**

Fall 2022 **Lab Instructor, Internet Architecture and Protocols (G).**

Summer 2022 **Instructor, Introduction to Machine Learning (G)**.

Spring 2022 **Instructor, Senior Design Project in Computer Engineering (DP II) (UG)**.

Spring 2022 **Lab Instructor, Internet Architecture and Protocols (G)**.

Fall 2021 **Instructor, Senior Design Project in Computer Engineering (DP I) (UG)**.

Fall 2021 **Lab Instructor, Internet Architecture and Protocols (G)**.

Summer 2021 **Instructor, Introduction to Machine Learning (G)**.

Spring 2021 **Instructor, Senior Design Project in Computer Engineering (DP II) (UG)**.

Spring 2021 **Lab Instructor, Internet Architecture and Protocols (G)**.

Fall 2020 **Instructor, Senior Design Project in Computer Engineering (DP I) (UG)**.

Fall 2020 **Lab Instructor, Internet Architecture and Protocols (G)**.

Summer 2020 **Instructor, Introduction to Machine Learning (G)**,
Co-teaching with Professor Chinmay Hegde.

Summer 2020 **Lab Instructor, Internet Architecture and Protocols (G)**.

Spring 2020 **Instructor, Introduction to Machine Learning (G)**.

Spring 2020 **Instructor, Senior Design Project in Computer Engineering (DP II) (UG)**.

Fall 2019 **Instructor, Senior Design Project in Computer Engineering (DP I) (UG)**.

Spring 2018 **Instructor, Senior Design Project in Computer Engineering (DP II) (UG)**.

Fall 2018 **Instructor, Senior Design Project in Computer Engineering (DP I) (UG)**.

Spring 2018 **Instructor, Network Security (G)**,
Co-teaching with Professor Shivendra Panwar.

Fall 2017 **Lab Instructor, Internet Architecture and Protocols (G)**.

Fall 2017 **Lab Instructor, Comm. Networks: Analysis, Modeling, & Performance (G)**,
Course instructor: Professor Shivendra Panwar.

Spring 2017 **Lab Instructor, Communication Networks (UG)**,
Course instructor: Professor Shivendra Panwar.

Spring 2016 **Lab Instructor, Comm. Networks: Analysis, Modeling, & Performance (G)**,
Course instructor: Professor Shivendra Panwar.

Fall 2015 **Instructor, Selected Topics in Wireless Communications:**
Software Defined Radio Laboratory (G).

Spring 2015 **Instructor, Real-Time Embedded Systems (G)**.

Spring 2015 **Lab Instructor, High Speed Networks (G)**,
Course instructor: Professor Shivendra Panwar.

Spring 2015 **Lab Instructor, Communication Networks (UG)**,
Course instructor: Professor Yong Liu.

Fall 2014 **Lab Coordinator, Advanced Topics in Computer Networks: Software Defined Radio (G)**
University of Thessaly, Volos, Greece,
Course instructor: Professor Thanasis Korakis.

Spring 2014 **Lab Coordinator, Wireless Communications (G)**
University of Thessaly, Volos, Greece,
Course instructor: Professor Thanasis Korakis.

Spring 2014 **Lab Instructor, Communication Networks (UG)**,
Course instructor: Professor Shivendra Panwar.

Fall 2013 **Lab Coordinator, Advanced Topics in Computer Networks (G)**
University of Thessaly, Volos, Greece,
Course instructor: Professor Thanasis Korakis.

Spring 2013 **Lab Instructor, Wireless Personal Communication Systems (G)**,
Course instructor: Professor Sundeep Rangan.