

APPOINTMENT

University of Connecticut

Assistant Professor, Department of Electrical and Computer Engineering

Storrs, CT, USA

2025–Present

Columbia University in the City of New York

Postdoctoral Research Scientist, Columbia Nano Initiative

New York, NY, USA

2021–2025

EDUCATION

University of California, Santa Barbara

Ph.D. in Electrical and Computer Engineering

Santa Barbara, CA, USA

2018–2021

University of California, Santa Barbara

M.S. in Electrical and Computer Engineering

Santa Barbara, CA, USA

2015–2018

Tsinghua University

B.Eng. in Electronic Engineering

Beijing, China

2011–2015

EXPERIENCE

Semiconductor Research Corporation (SRC) Research Scholars Program

Research Scholar, Center for Ubiquitous Connectivity (CUBiC) under SRC JUMP 2.0

2023–2025

Hong Kong University of Science and Technology

Postgraduate Visiting Intern, Department of Electrical and Computer Engineering

Hong Kong SAR, China

Aug. 2019–Dec. 2019

Cadence Design Systems, Inc.

Design Engineering Intern - Photonics, Custom IC & PCB Group

San Jose, CA, USA

Jun. 2018–Sep. 2018

Rice University

Student Intern, Department of Electrical and Computer Engineering

Houston, TX, USA

Jul. 2014–Sep. 2014

PUBLICATION

Journal Articles

- J1 R. Parsons, K. Jang, **Y. Wang**, A. Novick, A. M. Smith, C. C. Tison, Y. Gebregiorgis, V. Deenadayalan, M. van Niekerk, L. Carpenter, T. Ngai, G. Leake, D. Coleman, X. Meng, S. Preble, M. L. Fanto, K. Bergman, and A. Rizzo, "Highly uniform thermally undercut silicon photonic devices in a 300 mm CMOS foundry process," *Scientific Reports*, vol. 15, no. 1, p. 29 906, Aug. 2025. doi: 10.1038/s41598-025-14480-4
- J2 J. Robinson, R. Parsons, **Y. Wang**, K. Jang, X. Meng, and K. Bergman, "Silicon Photonic DWDM Micro-Resonator Link Initialization Under Fabrication Variation," *Optics Express*, Aug. 2025, in press. doi: 10.1364/opticaopen.29963318.v2
- J3 S. Wang, **Y. Wang**, S. Sanyal, R. Parsons, X. Ji, Y. Okawachi, X. Meng, M. Lipson, A. Gaeta, and K. Bergman, "Automated tuning of a ring-assistedMZI-based interleaver for Kerr frequency combs," *Optics Letters*, vol. 50, no. 2, p. 698, Jan. 2025. doi: 10.1364/OL.546772
- J4 **Y. Wang**, S. Wang, R. Parsons, S. Sanyal, V. Gopal, A. Novick, A. Rizzo, M. Lipson, A. L. Gaeta, and K. Bergman, "Co-Designed Silicon Photonics Chip I/O for Energy-Efficient Petascale Connectivity," *IEEE Transactions on Components, Packaging and Manufacturing Technology*, vol. 15, no. 8, pp. 1581–1591, Aug. 2025. doi: 10.1109/TCMPMT.2024.3492189 invited
- J5 Z. Wu, L. Yuan Dai, **Y. Wang**, S. Wang, and K. Bergman, "Flexible silicon photonic architecture for accelerating distributed deep learning," *Journal of Optical Communications and Networking*, vol. 16, no. 2, A157, Feb. 1, 2024. doi: 10.1364/JOCN.497372 invited
- J6 A. James, A. Rizzo, **Y. Wang**, A. Novick, S. Wang, R. Parsons, K. Jang, M. Hattink, and K. Bergman, "Process Variation-Aware Compact Model of Strip Waveguides for Photonic Circuit Simulation," *Journal of Lightwave Technology*, pp. 1–14, 2023. doi: 10.1109/JLT.2023.3238847

- J₇ A. Novick, A. James, L. Y. Dai, Z. Wu, A. Rizzo, S. Wang, **Y. Wang**, M. Hattink, V. Gopal, K. Jang, R. Parsons, and K. Bergman, "High-bandwidth density silicon photonic resonators for energy-efficient optical interconnects," *Applied Physics Reviews*, vol. 10, no. 4, p. 041306, Nov. 2023. doi [10.1063/5.0160441](https://doi.org/10.1063/5.0160441) invited
- J₈ **Y. Wang**, P. Sun, J. Hulme, M. A. Seyedi, M. Fiorentino, R. G. Beausoleil, and K.-T. Cheng, "Energy Efficiency and Yield Optimization for Optical Interconnects via Transceiver Grouping," *Journal of Lightwave Technology*, vol. 39, no. 6, pp. 1567–1578, Mar. 2021. doi [10.1109/JLT.2020.3039489](https://doi.org/10.1109/JLT.2020.3039489)
- J₉ Z. Zhang, R. Wu, **Y. Wang**, C. Zhang, E. J. Stanton, C. L. Schow, K.-T. Cheng, and J. E. Bowers, "Compact Modeling for Silicon Photonic Heterogeneously Integrated Circuits," *Journal of Lightwave Technology*, vol. 35, no. 14, pp. 2973–2980, Jul. 2017. doi [10.1109/JLT.2017.2706721](https://doi.org/10.1109/JLT.2017.2706721)

Conference Proceedings

- C₁ N. Nauman, J. Robinson, **Y. Wang**, K. Jang, X. Meng, and K. Bergman, "Photonic Analog-to-Digital Architecture for Accelerating Multiply-Accumulate Operations," in *Optical Fiber Communication Conference (OFC) 2025* (2025), Paper W3D.5, Optica Publishing Group, Mar. 2025, W3D.5. doi [10.1364/OFC.2025.W3D.5](https://doi.org/10.1364/OFC.2025.W3D.5)
- C₂ R. Parsons, S. Sanyal, M. Cullen, **Y. Wang**, A. Novick, X. Ji, Y. Okawachi, X. Meng, M. Lipson, A. Gaeta, and K. Bergman, "Dispersion-Engineered Resonator-Based Interleaver Co-Designed with Kerr Comb Source," in *Optical Fiber Communication Conference (OFC) 2025* (2025), Paper Tu2G.6, Optica Publishing Group, Mar. 2025, Tu2G.6. doi [10.1364/OFC.2025.Tu2G.6](https://doi.org/10.1364/OFC.2025.Tu2G.6)
- C₃ A. Rovinski, Y. Ou, C. Ou, D. Khilwani, **Y. Wang**, S. Wang, S. Lee, K. Bergman, A. Molnar, and C. Batten, "Scaling Co-Packaged Optical Interconnects Using Hybrid 2.5D/3D Integration," in *2025 IEEE International Symposium on Circuits and Systems (ISCAS)*, May 2025, pp. 1–5. doi [10.1109/ISCAS56072.2025.11043946](https://doi.org/10.1109/ISCAS56072.2025.11043946)
- C₄ **Y. Wang**, S. Wang, S. Sanyal, N. Nauman, R. Parsons, J. Robinson, M. Hattink, K. Jang, A. Novick, K. J. McNulty, X. Meng, M. Lipson, A. L. Gaeta, and K. Bergman, "Order-Preserving Channel Calibration of Kerr Comb-Driven Microresonator-Based DWDM Link," in *Optical Fiber Communication Conference (OFC) 2025* (2025), Paper WiE.1, Optica Publishing Group, Mar. 2025, WiE.1. doi [10.1364/OFC.2025.W1E.1](https://doi.org/10.1364/OFC.2025.W1E.1)
- C₅ A. Novick, M. Hattink, A. Rizzo, **Y. Wang**, V. Gopal, S. Wang, R. Parsons, and K. Bergman, "Integrated Photonic Resonant Modulator-Based Equalization and Optimization for DWDM," in *Optical Fiber Communication Conference (OFC) 2024*, San Diego California: Optica Publishing Group, 2024, W1K.5. doi [10.1364/OFC.2024.W1K.5](https://doi.org/10.1364/OFC.2024.W1K.5)
- C₆ S. Wang, **Y. Wang**, X. Meng, K. Hosseini, T. T. Hoang, and K. Bergman, "Automated Tuning of Ring-Assisted MZI-Based Interleaver for DWDM Systems," in *Optical Fiber Communication Conference (OFC) 2024*, San Diego California: Optica Publishing Group, 2024, Th1A.3. doi [10.1364/OFC.2024.Th1A.3](https://doi.org/10.1364/OFC.2024.Th1A.3)
- C₇ **Y. Wang**, S. Wang, R. Parsons, A. Novick, V. Gopal, K. Jang, A. Rizzo, C.-P. Chiu, K. Hosseini, T. T. Hoang, S. Shumaryayev, and K. Bergman, "Silicon Photonics Chip I/O for Ultra High-Bandwidth and Energy-Efficient Die-to-Die Connectivity," in *2024 IEEE Custom Integrated Circuits Conference (CICC)*, Denver, CO, USA: IEEE, Apr. 21, 2024, pp. 1–8. doi [10.1109/CICC60959.2024.10529018](https://doi.org/10.1109/CICC60959.2024.10529018) invited
- C₈ Z. Wu, R. Parsons, S. Wang, **Y. Wang**, and K. Bergman, "Wavelength Reconfigurable Transceiver For Multi-Interface Compute Accelerator Networks," in *Optical Fiber Communication Conference (OFC) 2024*, San Diego California: Optica Publishing Group, 2024, W4F.2. doi [10.1364/OFC.2024.W4F.2](https://doi.org/10.1364/OFC.2024.W4F.2)
- C₉ G. Michelogiannakis, Y. Arafa, B. Cook, L. Y. Dai, A.-H. Hameed Badawy, M. Glick, **Y. Wang**, K. Bergman, and J. Shalf, "Efficient Intra-Rack Resource Disaggregation for HPC Using Co-Packaged DWDM Photonics," in *2023 IEEE International Conference on Cluster Computing (CLUSTER)*, Santa Fe, NM, USA: IEEE, Oct. 2023, pp. 158–172. doi [10.1109/CLUSTER52292.2023.00021](https://doi.org/10.1109/CLUSTER52292.2023.00021)
- C₁₀ S. Wang, A. Novick, A. Rizzo, R. Parsons, S. Sanyal, K. J. McNulty, B. Y. Kim, Y. Okawachi, **Y. Wang**, A. Gaeta, M. Lipson, A. Gaeta, M. Lipson, and K. Bergman, "Integrated, Compact, and Tunable Band-Interleaving of a Kerr Comb Source," in *CLEO 2023*, San Jose, CA: Optica Publishing Group, 2023, STh3J.6. doi [10.1364/CLEO_SI.2023.STh3J.6](https://doi.org/10.1364/CLEO_SI.2023.STh3J.6)
- C₁₁ **Y. Wang**, A. Novick, R. Parsons, S. Wang, K. Jang, A. James, M. Hattink, V. Gopal, A. Rizzo, C.-P. Chiu, K. Hosseini, T. T. Hoang, and K. Bergman, "Scalable architecture for sub-pJ/b multi-Tbps comb-driven DWDM silicon photonic transceiver," in *Next-Generation Optical Communication: Components, Sub-Systems, and Systems XII*, G. Li, K. Nakajima, and A. K. Srivastava, Eds., San Francisco, United States: SPIE, Mar. 2023, p. 55. doi [10.1117/12.2649506](https://doi.org/10.1117/12.2649506) invited
- C₁₂ **Y. Wang**, S. Wang, A. Novick, A. James, R. Parsons, A. Rizzo, and K. Bergman, "Dispersion-Engineered and Fabrication-Robust SOI Waveguides for Ultra-Broadband DWDM," in *Optical Fiber Communication Conference (OFC) 2023*, San Diego California: Optica Publishing Group, 2023, Th3A.4. doi [10.1364/OFC.2023.Th3A.4](https://doi.org/10.1364/OFC.2023.Th3A.4)
- C₁₃ A. James, **Y. Wang**, A. Rizzo, and K. Bergman, "Flexible, Process-Aware Compact Model of Effective Index in Silicon Waveguides for Commercial Foundries," in *2022 International Conference on Numerical Simulation of Optoelectronic Devices (NUSOD)*, Turin, Italy: IEEE, Sep. 2022, pp. 173–174. doi [10.1109/NUSOD54938.2022.9894784](https://doi.org/10.1109/NUSOD54938.2022.9894784)
- C₁₄ **Y. Wang** and K.-T. Cheng, "Traffic-Adaptive Power Reconfiguration for Energy-Efficient and Energy-Proportional Optical Interconnects," in *2021 IEEE/ACM International Conference On Computer Aided Design (ICCAD)*, Munich, Germany: IEEE, Nov. 2021, pp. 1–9. doi [10.1109/ICCAD51958.2021.9643475](https://doi.org/10.1109/ICCAD51958.2021.9643475)
- C₁₅ **Y. Wang**, J. Hulme, P. Sun, M. Jain, M. A. Seyedi, M. Fiorentino, R. G. Beausoleil, and K.-T. Cheng, "Characterization and Applications of Spatial Variation Models for Silicon Microring-Based Optical Transceivers," in *2020 57th ACM/IEEE Design Automation Conference (DAC)*, San Francisco, CA, USA: IEEE, Jul. 2020, pp. 1–6. doi [10.1109/DAC18072.2020.9218608](https://doi.org/10.1109/DAC18072.2020.9218608)

- C16 Y. Wang and K.-T. Cheng, "Task Mapping-Assisted Laser Power Scaling for Optical Network-on-Chips," in *2019 IEEE/ACM International Conference on Computer-Aided Design (ICCAD)*, Westminster, CO, USA: IEEE, Nov. 2019, pp. 1–6. doi [10.1109/ICCAD45719.2019.8942146](https://doi.org/10.1109/ICCAD45719.2019.8942146)
- C17 Y. Wang, M. A. Seyedi, J. Hulme, M. Fiorentino, R. G. Beausoleil, and K.-T. Cheng, "Bidirectional tuning of microring-based silicon photonic transceivers for optimal energy efficiency," in *Proceedings of the 24th Asia and South Pacific Design Automation Conference*, Tokyo Japan: ACM, Jan. 2019, pp. 370–375. doi [10.1145/3287624.3287649](https://doi.org/10.1145/3287624.3287649)
- C18 Y. Wang, L. Shao, M. A. Lastras-Montano, and K.-T. Cheng, "Taming Emerging Devices' Variation and Reliability Challenges with Architectural and System Solutions [Invited]," in *2019 IEEE 32nd International Conference on Microelectronic Test Structures (ICMTS)*, Kita-Kyushu City, Fukuoka, Japan: IEEE, Mar. 2019, pp. 90–95. doi [10.1109/ICMTS.2019.8730924](https://doi.org/10.1109/ICMTS.2019.8730924) invited
- C19 Y. Wang, M. A. Seyedi, R. Wu, J. Hulme, M. Fiorentino, R. G. Beausoleil, and K.-T. Cheng, "Energy-efficient channel alignment of DWDM silicon photonic transceivers," in *2018 Design, Automation & Test in Europe Conference & Exhibition (DATE)*, Dresden, Germany: IEEE, Mar. 2018, pp. 601–604. doi [10.23919/DATE.2018.8342079](https://doi.org/10.23919/DATE.2018.8342079)
- C20 R. Wu, M. A. Seyedi, Y. Wang, J. Hulme, M. Fiorentino, R. G. Beausoleil, and K.-T. Cheng, "Pairing of microring-based silicon photonic transceivers for tuning power optimization," in *2018 23rd Asia and South Pacific Design Automation Conference (ASP-DAC)*, Jeju: IEEE, Jan. 2018, pp. 135–140. doi [10.1109/ASPDAC.2018.8297295](https://doi.org/10.1109/ASPDAC.2018.8297295)
- C21 R. Wu, Y. Wang, Z. Zhang, C. Zhang, C. L. Schow, J. E. Bowers, and K.-T. Cheng, "Compact modeling and circuit-level simulation of silicon nanophotonic interconnects," in *Design, Automation & Test in Europe Conference & Exhibition (DATE), 2017*, Lausanne, Switzerland: IEEE, Mar. 2017, pp. 602–605. doi [10.23919/DATE.2017.7927057](https://doi.org/10.23919/DATE.2017.7927057)
- C22 A. Ghofrani, M. A. Lastras-Montano, Y. Wang, and K.-T. Cheng, "In-place Repair for Resistive Memories Utilizing Complementary Resistive Switches," in *Proceedings of the 2016 International Symposium on Low Power Electronics and Design*, San Francisco Airport CA USA: ACM, Aug. 2016, pp. 350–355. doi [10.1145/2934583.2934590](https://doi.org/10.1145/2934583.2934590)
- C23 C. Xu, F. X. Lin, Y. Wang, and L. Zhong, "Automated OS-level Device Runtime Power Management," in *Proceedings of the Twentieth International Conference on Architectural Support for Programming Languages and Operating Systems*, Istanbul Turkey: ACM, Mar. 2015, pp. 239–252. doi [10.1145/2694344.2694360](https://doi.org/10.1145/2694344.2694360)

Under Review and In Preparation

- P1 V. Gopal, A. Novick, M. Hattink, S. Sanyal, S. Wang, M. Cullen, A. Rizzo, A. E. James, Y. Wang, X. Meng, M. Lipson, A. L. Gaeta, and K. Bergman, "Resonant modulator-based equalization for frequency comb-driven dense wavelength division multiplexing interconnects," *Journal of Lightwave Technology*, under review.
- P2 S. Wang, R. Parsons, A. Novick, V. Gopal, M. Cullen, A. Rizzo, Y. Wang, X. Meng, and K. Bergman, "Compact and efficient 32Gbps PAM4 segmented vertical junction silicon microdisk modulator," in preparation.
- P3 Y. Wang, S. Wang, P. Dilip, R. Parsons, K. Jang, M. Haimowitz, V. Gopal, A. Novick, A. Rizzo, and K. Bergman, "128-channel DWDM silicon photonic transmitter for >10 Tbps/mm optical I/O," in preparation.
- P4 T. Zypman, R. Parsons, Y. Wang, K. Jang, S. Wang, X. Meng, and K. Bergman, "Silicon photonic MIMO DSP for mode-division multiplexing and multi-dimensional data transmission," *Optics Express*, under review.
- P5 R. Parsons, A. Oh, J. Robinson, S. Wang, M. Cullen, K. Jang, A. James, Y. Wang, and K. Bergman, "Foundry-enabled wafer-scale silicon photonic DWDM links," *Nanophotonics*, 2025, under review.

PRESENTATION

Seminar Dept of ECE, University of Connecticut <i>Photonics-Empowered Computing: From Efficient to Functional Data Movement</i>	Storrs, CT, USA Feb. 2025
Seminar School of ECEE, Arizona State University <i>Photonics-Empowered Computing: From Efficient to Functional Data Movement</i>	Tempe, AZ, USA Feb. 2025
Seminar Dept of ECE, University of Minnesota <i>Photonics-Empowered Computing: From Efficient to Functional Data Movement</i>	Minneapolis, MN, USA Feb. 2025
Presentation SRC TECHCON <i>Scalable Kerr-Comb Driven DWDM Silicon Photonics Chip I/O</i>	Austin, TX, USA Sep. 2024
Seminar School of EECS, Pennsylvania State University <i>Co-Designing Photonics for Heterogeneously Integrated Systems</i>	University Park, PA, USA Apr. 2024
Invited Talk SPIE Photonics West <i>Scalable Architecture for Sub-pJ/b Multi-Tbps Comb-Driven DWDM Silicon Photonic Transceiver</i>	San Francisco, CA, USA Jan. 2023

Poster	Ph.D. Forum, ACM/IEEE Design Automation Conference (DAC) <i>Design and Optimization of Variation-Aware Runtime-Reconfigurable Optical Interconnects</i>	Online Virtual Event Jun. 2020
Invited Talk	Optical/Photonic Interconnects for Computing Systems (OPTICS) Workshop <i>Optimal Pairing and Non-Uniform Channel Alignment of Microring-Based Transceivers for Comb Laser-Driven DWDM Silicon Photonics</i>	Dresden, Germany Mar. 2018
Seminar	Department of ECE, Hong Kong University of Science and Technology <i>Variation-Aware Modeling and Design of Silicon Photonic Systems</i>	Hong Kong SAR, China Jan. 2018
Poster	Optical/Photonic Interconnects for Computing Systems (OPTICS) Workshop <i>Variation-Aware Modeling and Design of Nanophotonic Interconnects</i>	Lausanne, Switzerland Mar. 2017

MENTORING

U : undergraduate; **G** : graduate

Songli Wang   <i>Ph.D. Student at Columbia University</i> Scalable link architectures, automated post-fabrication tuning Resulting joint publication(s): [P₂] , [P₃] , [J₃] , [J₄] , [C₄] , [C₆] , [C₇] , [C₁₁] , [C₁₂]	Robert Parsons   <i>Ph.D. Student at Columbia University</i> Variation-aware modeling and uncertainty quantification Resulting joint publication(s): [P₃] , [J₁] , [C₂] , [J₄] , [C₇] , [C₁₁] , [C₁₂]
Aneek E. James   <i>Ph.D. Student at Columbia University, now with Draper Laboratory</i> Wafer-scale process variation extraction and characterization Resulting joint publication(s): [J₆] , [C₁₂] , [C₁₃]	Zhenguo Wu   <i>Ph.D. Student at Columbia University</i> Reconfigurable architecture for optically connected systems Resulting joint publication(s): [C₈] , [J₅]
KayIx Jang   <i>Ph.D. Student at Columbia University</i> DWDM dispersion engineering, optically connected memory Resulting joint publication(s): [P₃] , [C₁₂]	Nathaniel Nauman   <i>Ph.D. Student at Columbia University</i> Photonics-Enabled Compute for AI Resulting joint publication(s): [C₁]
Tobias Zypman   <i>Ph.D. Student at Columbia University</i> Photonics-Enabled Signal Processing Resulting joint publication(s): [P₄]	Priyanka Dilip   <i>Ph.D. Student at Columbia University</i> Photonics design for testing and design for packaging Resulting joint publication(s): [P₃]
James Robinson   <i>Ph.D. Student at Columbia University</i> Variation-aware tuning of microresonator-based DWDM links Resulting joint publication(s): [J₂] , [C₄]	Max Haimowitz   <i>Ph.D. Student at Columbia University</i> Scripted and automated large-scale silicon photonics chip layout > 80 mm ² /reticle fully-scripted layout on a 300 mm full-wafer ru
Abidur Rahman   <i>Undergraduate Student at University of Michigan, Ann Arbor</i> SURE Program of Columbia Engineering for under-represented students Design space exploration of optically connected compute systems	

TEACHING

U : undergraduate; **G** : graduate

Columbia University in the City of New York	New York, NY, USA
– Guest Lecturer	ELEN 9404: Seminar in Lightwave Communications 
– Guest Lecturer	ELEN 9403: Seminar in Photonics 
University of California, Santa Barbara	Santa Barbara, CA, USA
– Teaching Assistant	ECE 153B: Sensor & Peripheral Interface Design 
	Winter 2019

LEADERSHIP

Center for Ubiquitous Connectivity (CUBiC)	SRC JUMP 2.0
– Subgroup Leader, <i>Systems and Testbeds</i> , coordinating four research tasks across three teams	2024–2025
– CUBiC Scholar Leadership Council, leading monthly workshops with industry liaisons	2023–2025
– Task Co-Lead, <i>Socket-to-Socket Distributed AI/ML/HPC Fabric Platform (SoSFab)</i> , photonics system testbed development	2023–2025

Columbia University in the City of New York	New York, NY, USA
– Photonics Lead, <i>DARPA PIPES</i> , in collaboration with Intel, Cornell Univ. (Phase 2) and Orora Design Technologies (Phase 3)	2021–2025
– Design and Aggregation Co-Lead, custom 300 mm wafer run with AIM Photonics involving multiple internal/external riders	2023

SERVICE

Technical Program Committee

- *IEEE Chiplet Workshop: Standards, Circuits and Systems* 2025

Journal Reviewer

- *Nature Communications*, Nature Publishing Group
- *Nature Nanotechnology*, Nature Publishing Group
- *Communications Engineering*, Nature Publishing Group
- *APL Photonics*, American Institute of Physics
- *Journal of Lightwave Technology*, IEEE/Optica
- *Journal of Selected Areas in Communications*, IEEE
- *Journal on Emerging and Selected Topics in Circuits and Systems*, IEEE
- *IEEE Transactions on Computers*, IEEE
- *IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems*, IEEE
- *IEEE Transactions on Very Large Scale Integration (VLSI) Systems*, IEEE
- *IEEE Access*, IEEE

Conference Reviewer

- *Optical Fiber Communication Conference (OFC)* 2024
- *IEEE International Symposium on High-Performance Computer Architecture (HPCA)* 2020

Textbook Translation

- T1 C. Hawkins, J. Segura, and P. Zarkesh-Ha, *CMOS Digital Integrated Circuits: A First Course (Chinese Edition)*, trans. by Y. Wang and Y. Yin. China Machine Press, 2016, original work published by the Institution of Engineering and Technology (IET) in 2013.
- T2 S. Kundu and A. Sreedhar, *Nanoscale CMOS VLSI Circuits: Design for Manufacturability (Chinese Edition)*, trans. by Y. Wang and W. Xie. China Science Publishing, 2014, original work published by McGraw-Hill Education in 2010.

Under-Represented Student Mentor

- Summer Undergraduate Research Experience (SURE) Program, *Columbia Engineering* 2024