

Maryam Parsa, Resume

Assistant Professor, George Mason University, mparsa@gmu.edu, (703) 993-6097, website, LinkedIn, US citizen

Research Areas

Neuromorphic Computing, Hyperdimensional Computing, Neuroscience-inspired Learning, Bayesian-Evolutionary Meta-Learning, Neural Architecture Search, Software-Hardware Codesign

Professional Experience

George Mason University <i>Tenure Track Assistant Professor in Electrical and Computer Engineering</i>	Fairfax, VA since Aug 2021
Oak Ridge National Laboratory <i>Postdoctoral Researcher in Beyond Moore Computing</i> <i>ASTRO PhD Fellow in Computational Data Analytics</i>	Oak Ridge, TN Oct 2020 – Aug 2021 May 2019 – Aug 2020
Purdue University <i>Semiconductor Research Corporation (SRC) PhD Fellow</i>	West Lafayette, IN Aug 2015 – July 2019
Intel Corporation <i>Graduate Research Intern, Portland, OR</i> <i>Graduate Research Intern, Rio Rancho, NM</i>	Summer 2016 Summer 2014

Education

Purdue University <i>PhD in Electrical and Computer Engineering, Center for Brain-Inspired Computing</i>	West Lafayette, IN 2016-2020
Purdue University <i>Master of Science in Civil Engineering, System of Systems</i>	West Lafayette, IN 2013-2015
University of Ottawa <i>Master of Science in Electrical and Computer Engineering</i>	Ottawa, ON, Canada 2011-2013
K.N.Toosi University of Technology <i>Bachelor of Science in Electrical Engineering</i>	Tehran, Iran 2004-2008

Selected Honors, Awards, and Grants

NSF-NCS, Collaborative Research Grant (Total: \$2,400,000, PI share \$550,000)	Oct 2023 – Sept 2026
US Army Ground Vehicle Systems Center (GVSC) Grant, Single-PI (\$254,000)	Jan 2023 – Dec 2024
Intel Corporation Neuromorphic Research Community Grant, Single-PI (\$194,616)	Jan 2022 – Dec 2024
Unrestricted Gift from Leidos (\$10,000)	
Best Paper Award at International Conference on Neuromorphic Systems (ICONS)	Summer 2021
Best Paper Award at UK Workshop on Computational Intelligence (UKCI)	Summer 2021
Semiconductor Research Corporation (SRC) PhD Fellowship	Aug 2015 – July 2019
Best Presentation Award at TECHCON	Sept 2018
Purdue University Ross Fellowship	Aug 2013 – July 2014

Summary of Publications

- **Journals:** 13 (including Nature Computational Science, Nature Communications, Frontiers in Neuroscience, Neuromorphic Computing and Engineering, Neurocomputing, and IEEE Transactions on Electron Devices)
- **Conferences:** 25 (including ICCAD, IEEE Big Data, IJCNN, ICONS, IEEE CEC, IEEE SSCI)

Activities

- Program co-chair at International Conference on Neuromorphic Systems (ICONS), 2023 and 2024
- Publicity co-chair at ACM International Conference on Computing Frontiers, 2023
- Program committee member at ICONS, TinyML, GLSVLSI, since 2020
- Reviewer editor for Frontiers in Neuromorphic Engineering, and Frontiers in Systems Neuroscience, since 2020
- Member of the Hardware Track review committee at Grace Hopper Celebration (GHC), since 2020

Last Updated: Dec. 2023