

Ali Mehrizi-Sani | Associate Professor
EME 35 – 355 NE Spokane St, Pullman, WA 99164-2752

☎ (509) 335-6249 • 📠 (509) 335-3818 • ✉ mehrizi@wsu.edu
🌐 eeecs.wsu.edu/~mehrizi

Education

University of Toronto **Toronto, ON**
Ph.D. in Electrical Engineering *Sept. 2007 to Aug. 2011*
Dissertation: Control Strategies for the Next Generation Microgrids

Sharif University of Technology **Tehran, Iran**
B.Sc. in (i) Electrical Engineering and (ii) Petroleum Engineering *Sept. 2000 Jul. 2005*

Academic Experience

School of EECS, Washington State University **Pullman, WA**
Associate Professor; Assistant Professor (2012–2018) *Jan. 2012 to Present*

Technische Universität Graz (TU Graz) **Graz, Styria, Austria**
Visiting Professor *Nov. 2014, Jan. 2016, Nov. 2016, and May 2018*

Centre for Applied Power Electronics (CAPE), University of Toronto **Toronto, ON**
Postdoctoral Fellow *Sept. 2011 to Dec. 2011*

Nonacademic Experience

Manitoba HVDC Research Centre **Winnipeg, MB**
Consultant *Jan. 2017 to Present*

Smart Wires **Union City, CA**
Consultant *May 2018 to Present*

Physical Optics Corporation (POC) **Torrance, CA**
Consultant *Aug. 2013 to Present*

Digital Predictive Systems **Mississauga, ON**
NSERC/MITACS Intern *Jan. 2009 to Dec. 2010*

Manitoba HVDC Research Centre **Winnipeg, MB**
MITACS Intern *Apr. 2007 to Jul. 2007*

Expertise

- Integration and control of power electronically interfaced renewable energy resources
- Control of microgrids
- Power electronics design and implementation

Honors and Awards

At Washington State University (2012–Present)

- 2018: IEEE PES Outstanding Young Engineer Award
- 2018: ASEE PNW Outstanding Teaching Award
- 2017: IEEE Mac E. Van Valkenburg Early Career Teaching Award
- 2017: WSU EECS Early Career Excellence in Research Award
- 2016: WSU VCEA Reid Miller Excellence in Teaching Award
- 2016: WSU EECS Teaching Excellence Award
- 2015: IEEE PES PSDP Technical Committee Working Group Recognition Award
- 2015: “Technical Committee Working Group Recognition Award” from IEEE PES PSDP Subcommittee
- 2014: National Academy of Engineering’s Frontiers of Engineering Education Selectee

At the University of Toronto (2007–2011)

- Govt of Canada NSERC Postdoctoral Fellowship
- Edward S. Rogers Sr. Graduate Scholarship
- NSERC/MITACS IPS (two times)
- NSERC Industrial Research & Development Fellowship
- Connaught Scholarship (four times)
- Ontario Graduate Scholarship (OGS)

At the University of Manitoba (2005–2007)

- Dennis Woodford Prize for “most outstanding graduate thesis dealing with power systems modeling and simulation.”
- MITACS Internship Program at Manitoba HVDC Research Centre

Professional Service & Activities

- *Editor*, IEEE Transactions on Power Systems.
- *Editor*, IEEE Transactions on Power Delivery.
- *Editor*, IEEE Transactions on Energy Conversion.
- *Editor*, IEEE Power Engineering Letters.
- *Editor*, Wiley International Transactions on Electrical Energy Systems.
- *Chair*, IEEE PES Task Force on Dynamic System Equivalents.
- *Secretary*, CIGRE Working Group C4.34 Applications of PMUs for Power System Dynamics.
- *Chair*, IEEE PES Chapter of the Palouse Section.

Summary of Research Leadership and Productivity

Performance: Total number of citations: 1900; *h*-index: 17 by Google Scholar. Books: 2; Book chapters: 2; Journal articles: 39 (+ 5 PENDING); refereed conference articles: 39; invited talks: 27. Supervising/ed 9 Ph.D. and 5 M.Sc. students.

Sponsored Research: Total support raised over 2012 to 2018 is \$5.5M.



Invited Talks.....

Enabling role of power electronics in power engineering education and research programs: Panel on *Reforming the Power Engineering Educational Curriculum*, IEEE PES General Meeting, Jul. 2017.

Update on microgrid control trends: Panel on *Microgrid Control*, IEEE PES General Meeting, Jul. 2014.

Resiliency of power systems by enhancing microgrid capabilities: Panel on *Microgrids and Resiliency*, IEEE PES Innovative Smart Grid Technologies (ISGT), Feb. 2014.

Control strategies for the next generation power system:

Ferdowsi University of Mashhad • Manitoba HVDC Research Centre • University of Manitoba • Case Western Reserve University • Microgrid Symposium • Tokyo Institute of Technology • National Polytechnic Institute (Guadalajara, Mexico) • Power Systems Engineering Research Center (PSERC) • Tsinghua U (China) • Wuhan U (China) • Graz U of Technology (Austria) • Arizona State U • Iowa State U • Florida State U • U of Maine • Tennessee Technological U • Washington State U • U of Utah • Colorado School of Mines • Oregon State U • U Hawai'i • U of British Columbia • Carleton U • U of Western Ontario.

