

Dr. Milorad Papić



position at Sarajevo University; he is also an Adjunct Professor of Electrical Engineering at the University of Idaho.

His areas of expertise include power system planning, reliability modeling and evaluation of power systems, risk assessment in electric power systems, cascading, and resilience. To date, he has published more than 100 technical papers in Refereed Journals and Conference Proceedings in the aforementioned areas.

Milorad has been a speaker, invited presenter, and panelist at numerous IEEE PES conferences and panels, presenting on a diverse range of topics in reliability and cascading in power systems.

He is presently a chair of the IEEE Working Group on Probability Applications for Common Mode and dependent Events (PACME) in Electric Power Systems, and the co-chair of the IEEE Composite System Reliability Task Force.

Dr. Papić is also a representative member from CIGRE US National Committee

in CIGRE Working Group C4.47 on Grid Resilience, and a former Chair of IEEE Risk, Reliability and Probability Applications Subcommittee (RRPAS).

He has been a long-time leader within North American Electric Reliability Corporation (NERC) and Western Electricity Coordinating Council (WECC) industry groups, analyzing transmission outage data in order to determine trends and support the application of probabilistic methods to transmission planning and cascading prevention in bulk power systems.

He was the General Chair of the International Conference on Probabilistic Methods Applied to Power Systems (PMAPS), successfully held in Boise, Idaho in 2018.

Dr. Milorad Papić, Life Fellow IEEE, is a full-time independent consultant in the fields of power systems planning and reliability.

After receiving his M.Sc. degree from Zagreb University and D.Sc. degree from Sarajevo University, Milorad worked in the System Planning department at Idaho Power for 25 years, until his retirement in April 2020.

Prior to arriving at Idaho Power in 1996, Dr. Papić held an Associate Professor

Areas of Expertise

- Application of Probabilistic Reliability Analysis Methods to Power Systems.
- Application of innovative methods for analysis and prevention of cascading outages and Blackouts in Power Systems.
- Statistical analysis of transmission outages and calculation of performance indicators.
- Transmission Planning & Operation.
- Resilience of Power Grid.

Education

- D. Sc. Electrical Engineering, *University of Sarajevo*, 1980.
- M. Sc. Electrical Engineering, *University of Zagreb*, 1977.
- Dipl. Ing. Electrical Engineering, *University of Sarajevo*, 1972.

Experience Summary

- 40 years of utility industry experience.
- 22 years of academic experience (1972-1994).
- Founder & CEO, Energy Technologies International (1994–1996).
- Adjunct Professor at University of Idaho (1997–present).

Honors & Accolades

- IEEE Fellow, 2019.
- IEEE PES Outstanding Engineer Award (OEA), October 2017.
- IEEE-PES Technical Committee Working Group Recognition Award to the WG on Understanding, Prediction, Mitigation and Restoration of Cascading Failures (Chair: M. Papić), August 2015.
- IEEE AMPS Committee Recognition Award, Chicago, July 2017.

- Research Fellowship at UMIST; financial support by British Council, US DOE and UK Royal Society, 1993.

- CIGRE, Yugoslav Committee Best Paper Recognition Award, YU CIGRE General Session, 1989.

- International Conference on Large H.V. Electric Systems—CIGRE, Paris, Award for the best paper submitted by U. S. National Committee, 2006.

- Minority Small Business Advocate of the Year Award, Chamber of Commerce, Twin Falls, ID, 1995.

- Post-Doctoral Fellowship at UMIST, funded by EC DG-XII Brussels, 1989–1990.

- Doctoral Fellowship (advisor: Professor V. A. Venikov), Moscow Power Institute, Russia, 1978–1979 Academic Year.