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Dr Nilesch Modi is Senior Engineer at Australia Energy Market Operators (AEMO). At AEMO, he has worked across various teams including national planning, electricity market operations and systems capability. He has worked on various key projects/documents published by AEMO, namely review of Black system South Australia, system strength assessment for South Australia, review of under-frequency load shedding design for SA, system integrity protection scheme for SA, system strength requirements and inertia requirement methodology. He has been involved in investigating system incidents that has resulted in the large disruption across the National Electricity Market (NEM). He is also involved in delivering NEM educational courses. Currently he is involved in developing large scale EMT models for NEM regions.

Nilesch has been with AEMO since 2012. He has total of 11 years of experience comprising academia, industry and published 24 research articles in IEEE and CIGRE. Nilesch received his PhD from the University of Queensland in 2013 for which he has been awarded Dean's excellence award for RHD Excellence. He is a senior member of IEEE and have held various positions at IEEE such as, section chair, PES chapter chair and membership development chair. He is also adjunct research fellow at the University of Queensland.