

Dr Marlene Kanga AO, FTSE, FISC, Hon. FIEAust, Hon. FIChemE

Dr Marlene Kanga AO is an outstanding leader of STEM (Science Technology Engineering and Mathematics) organisations in Australia and internationally, and an Officer of the Order of Australia, a national honor, *“for distinguished service to engineering, as a global leader and role model to women”*

Dr Kanga was President of the World Federation of Engineering Organisations (WFEO), 2017-2019, with 100+ national/continental members, representing 30+ million engineers. She was 2013 National President, Engineers Australia.

As WFEO President, she successfully led the proposal for UNESCO to declare 4th March as World Engineering Day for Sustainable Development. She led the review of the international engineering education benchmarks, with the International Engineering Alliance, transforming engineering education to meet future challenges. She is supporting capacity-building efforts in Africa and Asia in engineering education and has established and leads the [WFEO Academy](#) for ongoing training of engineering educators and engineers. She also collaborates with the Office of Climate Change Education [to deliver teacher training for climate change education in schools](#) in mainly Small Island Developing States, that are disproportionately affected by climate change, like Mauritius.

A chemical engineer, she has made significant contributions to process safety engineering in Australia and New Zealand and is Chair of the international Institution of Chemical Engineers Safety Centre, advancing process safety practice around the world.

Dr Kanga was the 2013 National President of Engineers Australia where she implemented the first consolidated Member Regulations and transformed the governance structure for a relevant and contemporary organisation, enabling greater access for members, including to nominate directly for election to the Board. She continues to contribute through various the Honours and Awards and International committees.

Dr Kanga is a Fellow of the Australian Academy of Technology Science and Engineering, and is Co-Chair of the [Elevate](#) program to support the careers of women in STEM in Australia. She is Chair of the [Institution of Chemical Engineers \(UK\) Safety Centre](#), with nearly 100 members from industry, university and research organisations, leading best practices in process and system safety engineering around the world.

A champion for diversity in STEM, as WFEO President, Dr Kanga ensured that women gained greater visibility and participation. She initiated the international GREE Award for women engineers. She collaborates with the ISC for a global voice for women in STEM, at the UN. A former Vice President of the International Network for Women Engineers and Scientists, she hosted its inaugural Asia Pacific Nation Network meeting in 2011 that has grown successfully to 19 organisations in Asia.

Dr Kanga is a non-executive director of large organisations in Australia in transport, utilities and innovation. She is an Honorary Fellow of Engineers Australia an Honorary Fellow of the Institution of Chemical Engineers (UK), a foundation Fellow of the International Science

Council, a Foreign Fellow of the ASEAN Academy of Engineering and Technology and a fellow (honorary) of the engineering institutions of New Zealand and India. She was the 2018 Engineers Australia National Professional Engineer of the Year and received the 2019 CHEMECA Medal for contribution to chemical engineering in Australia and New Zealand. She is listed among the 100 engineers making a contribution to Australia in the last 100 years, among the Top 100 Women of Influence and one of the Top 10 women engineers in Australia.