



Wayne Solomon, PhD.
Vice President, Magnetic Fusion Energy Division
General Atomics

Dr. Wayne Solomon is Vice President of the Magnetic Fusion Energy Division, Energy Group, at General Atomics. He has over 20 years' experience in technical and program leadership in magnetically confined fusion.

Dr. Solomon received his doctoral degree in 2002 from the Australian National University. Shortly after, he joined the Princeton Plasma Physics Laboratory as a Postdoctoral Fellow, before becoming a member of the Research Staff in 2005 and Principal Physicist in 2013. During this time, Dr. Solomon was positioned at the DIII-D National Fusion Science Facility, a Department of Energy, Office of Science User Facility, where he made key developments in the charge exchange recombination spectroscopy diagnostic, led research in momentum transport, pedestal physics, and plasma operational scenario development. His research led him to become a Principal Investigator on a grant to conduct collaborative research with the international facilities EAST and KSTAR in China and Japan.



Dr. Solomon joined General Atomics in 2016 as Deputy Director of the DIII-D National Fusion Program, where he provided leadership to the national team to ensure scientific excellence in the operation and performance of the facility. In 2020, Wayne was appointed Director of Science and Technology, where he provided direction and leadership of the science, theory, computational, and innovative technology development programs in Magnetic Fusion Energy Division and ensured excellence in deliverable by overseeing the acquisition and retention of key talent. While serving as Deputy Director of the DIII-D National Fusion Program, Wayne took on a major leadership role within the U.S. Fusion Community, serving as a Co-Chair on the American Physical Society's Division of Plasma Physics activity charged with developing a consensus, long-range strategic plan for fusion energy development. He then continued to serve as a lead of follow-up activity with the Fusion Energy Sciences Advisory Committee (FESAC) and helped deliver the final report with unanimous consent among the full committee.

Wayne was appointed Vice President of the Magnetic Fusion Energy Division in 2022 and is responsible for establishing the annual and long-term technical, business, and financial objectives of the Division, developing the vision and long-range strategic plan, and directing the development of new business and expansion of existing business opportunities and pursue strategic business partnerships.