

Dr. Ahmad Al Rashdan



Dr. Ahmad Al Rashdan, is currently an INL senior research and development scientist at INL. Dr. Al Rashdan holds a Ph.D. in Nuclear Engineering from Texas A&M University, a M.Sc. in Information Technology and Automation Systems from Esslingen University of Applied Science from Germany, and a B.Sc. in Mechanical Engineering from Jordan University of Science and Technology in Jordan. He has around 15 years of industrial and research experience in automation, instrumentation, and control, including experience at INL, the ABB Group, Texas A&M University, the International Atomic Energy Agency, Daimler Chrysler-Mercedes Group, and Fraunhofer Institute for Production and Automation. His experience includes automation of work processes, online condition monitoring of nuclear systems, control systems design and development, autonomous drone's navigation, image processing for anomalies

detection, and automated modeling and simulation. He is a senior Institute of Electrical and Electronics Engineers (IEEE) member and the author of several publications and technical reports. He is also the recipient of several funding grants, in addition to recognition and exceptional innovation awards. Dr. Al Rashdan is the operational AI lead for INL's Digital Innovation Center of Excellence (DICE). He has held several leadership positions in several DOE and conference events. He recently co-organized the Big Data for Nuclear Power Plants Workshop in 2018 and 2019 at Ohio State University. Dr. Al Rashdan is also a reviewer of several nuclear energy and IEEE journals, in addition to several DOE grant reviews. He currently serves as a guest editor for the Big Data Analytics for the Nuclear Power Plants Special Issue of the Progress in Nuclear Energy Journal.