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Ed Casillas is a Technical Principal in Aerojet's Mission Architecture and Systems Advanced Engineering organization. He has a Bachelor's degree in Mechanical Engineering from San Jose State University, and has completed numerous graduate and professional courses related to aeronautical engineering. Ed has over 20 years combined experience at Chemical Systems Division, Pratt and Whitney, and Aerojet in lead, support, or managing capacity of vehicle systems analysis and preliminary design and optimization of solid and hybrid rocket propulsion systems; including tactical motors (Mk-72 ship defense, Mk-111 under water launch), missile defense applications (THAAD, GMD, Standard Missile 3, CorpSam), strategic boosters (SICBM, MM-3, LBSD, SLIRBM), space launch vehicle systems (TITAN, IUS, ASRM, Delta, Athena), and miscellaneous applications (Scramjet boost, launch abort). He is a key contributor to advanced propulsion design and vehicle architecture concepts, as well as advanced and IR&D technology programs.