

Biographies

Dr. Arkal Shenoy

Director of Fission Reactor Programs at General Atomics, San Diego, USA and responsible for program management of High Temperature Modular Helium Reactor (HTGR) systems and TRIGA research reactors. In this position he programmatically and technically directs the fission work currently funded by United States Government, U.S. nuclear utilities and universities. HTGR Gas-Cooled Reactor programs at General Atomics also include US-Russian GT-MHR program, GEN IV Very High Temperature Reactor (VHTR), Gas-Cooled Fast Reactor (GFR), Hydrogen producing Modular Helium Reactor (H2-MHR), High Temperature Teaching and Testing Reactor and other fission commercial programs.

Forty years of professional experience in management, design, development, and operation of nuclear power projects. Extensive experience of programs involving nuclear core design, systems engineering, safety analysis and licensing.

EDUCATION

M.S. Ph.D. Nuclear Engineering, Georgia Institute of Technology
B.S, M.S. Mechanical Engineering, Indian Institute of Science, India

PROFESSIONAL SOCIETY

Member, Sigma XI
Member, American Nuclear Society
Member, American Society of Mechanical Engineers
Professional Engineer, Mechanical, State of California
Professional Engineer, Nuclear, State of California

Dr. Alexander Telengator

Alexander Telengator received his PhD in Engineering Physics from University of California San Diego (UCSD) in 2000. He had subsequently worked at UCSD in collaboration with Sandia National Laboratory on the combustion theory research applied to solid rocket fuels and degraded energetic materials. The work included analysis of physical, chemical and gas flow issues associated with porous materials and multiphase flows.

Alexander has joined General Atomics in November 2006, where he is conducting work on the power conversion system and process heat applications of the High-Temperature Gas Cooled Reactors (HTGR). In particular, Alexander has been working on the overall system and component development of the direct Brayton cycle system for electricity

generation, an integral part of the Gas-Turbine Modular Helium Reactor (GT-MHR) Program.

With respect to process heat, Alexander's work included studies of applications to coal gasification and liquefaction technologies, enhanced oil recovery and other chemical industrial processes.