



# Safety and Security of Advanced Nuclear Power Reactors: A Discussion

## Prof. Sunil S Chirayath

### Brief Vitae of Sunil S Chirayath



#### **Prof Sunil S. Chirayath, Ph.D.,**

Professor of Nuclear Engineering,  
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Dr. Chirayath is the Director of Center for Nuclear Security Science and Policy Initiatives (NSSPI) since June 2015 and serves as a Professor in the Department of Nuclear Engineering at Texas A&M University. He has over 30 years of experience in nuclear science and engineering field and has worked in various capacities in academia and industry.

Dr. Chirayath has advised 16 postdoctoral research associates, graduated eight Ph.D. and over 30 M.S./M.E. students in nuclear engineering discipline, who went on to develop successful careers at the national laboratories, academia, and industry. He currently advises 11 graduate students and six undergraduate students in their research. He has over 200 technical publications in refereed journals (70) and national/international conference proceedings (over 150).

Dr. Chirayath conducts research in nuclear security and nonproliferation. He teaches courses on nuclear fuel cycle, nuclear material safeguards, nuclear security, and Monte Carlo radiation transport. His research interests include development of safeguards approaches for advanced reactors, proliferation resistance analysis of nuclear fuel cycle facilities, nuclear forensics, nuclear security insider threat analysis.

He is a Senior Member of the Institute of Nuclear Materials Management (INMM). He is a member of the American Nuclear Society, Indian Association of Radiation Protection, Indian Society of Radiation Physics. He has held special appointments of Associate Professor at the Tokyo Institute of Technology (Japan), Adjunct Professor at the National Institute of Advanced Studies (India), and Honorary Professor at Amity University (India).

**Date & Time: 3<sup>rd</sup> March 2023 at 15.00 hours**

**Venue: A206, RTC Peenya**