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Jiejuan is responsible for Probabilistic Risk Assessment (PRA) related research and development activities in INET for advanced and innovative reactors such as HTR-PM, NHR200. Jiejuan focuses on the advanced technologies and applications associated with nuclear safety, including nuclear safety policy and public acceptance, nuclear risk and nuclear safety assessment and management, risk-informed regulation and nuclear emergency planning and response decision making.

Jiejuan has around 20 years of experience involving various reactor types, including M310, CANDU, VVER, AP1000 and HTGR, and serves as a leading specialist in several Chinese and international PRA communities.