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Professor, Graduate School of Engineering, Nagoya University, Japan. BS, Nuclear Engineering, Kyoto University, 1987, on transport theory based on spherical harmonics method, MS, Nuclear Engineering, Kyoto University, 1989, on critical experiments and analyses of high-conversion LWRs. Ph.D., Energy Science, Kyoto University, 1998, on loading pattern optimization methods for LWRs. Nuclear Fuel Industries, Ltd., Japan, 1989-2003, in charge of in-core fuel management and related methodology development for commercial LWRs.

In the current position, he is focusing on the development of advanced nuclear design methods for current and Gen-IV reactors, sensitivity analysis/uncertainty quantification, large-scale simulations using parallel/distributed computing, in-core fuel optimizations, education of reactor physics, and reactor safety.

He engages in various activities of Nuclear Regulation Authority (NRA), a team member of new regulatory requirements for light water reactors, new regulatory requirements for nuclear fuel facilities, commission on supervision and evaluation of the Fukushima Daiichi NPPs, the reactor safety examination committee. He is the chair of the nuclear fuel safety examination committee.

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