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Currently, AMAYA Masaki is Deputy Director General of Nuclear Safety Research Center (NSRC) and the director of Office for Analysis of Regulatory and International Information, in Sector of Nuclear Safety Research and Emergency Preparedness of Japan Atomic Energy Agency (JAEA).

He graduated in the master's course of nuclear engineering from the graduate school of Nagoya university in 1992. He obtained his Ph.D of Engineering in 1998 from Nagoya university, regarding thermal conductivity change in nuclear fuel pellet.

He joined Toshiba Corp. in 1992, and had been on loan to Nippon Nuclear Fuel Development Co. Ltd. from 1992 to 2000 and to Global Nuclear Fuel-Japan (GNF-J) Co., Ltd. from 2000 to 2002. He moved from Toshiba to GNF-J in 2002 and had been working until 2003. During these periods, he had been working in R&D fields of nuclear fuel pellet, e.g. pellet fabrication, irradiation behaviors of nuclear fuel, etc.

He moved to Japan Atomic Energy Research Institute (currently JAEA) in 2003 and was engaged in nuclear fuel safety research using research facilities in JAEA.

He had been dispatched as a secondee to the OECD Halden Reactor Project (HRP) in Norway from 2006 to 2008 to join the international fuel and materials irradiation program using the Halden Reactor. In HRP, he contributed to some irradiation tests of fuel rods and their data analyses.

After he returned to JAEA, he has been working in the field of fuel safety. He had acted as the leader of Fuel Safety Research Group in NSRC and led activities on fuel safety research from 2013 to 2020. He had also acted as the head of Reactor Safety Research Division in NSRC from 2018 to 2020.