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Dr Satoshi Awaji is an experimental scientist on superconducting materials research and high field magnet with experience in the physics of superconducting materials and also in technology of high field superconducting magnets. His specialty areas of expertise are critical currents of practical superconducting wires/tapes and (cryogen-free) superconducting magnets with high temperature superconductors and Nb_3Sn . He is mostly involved in the understanding the flux pinning mechanism of practical superconducting materials and in the developing the high field cryogen-free superconducting magnets, as well as managing the user program of high field facility in Sendai, High Field Laboratory for Superconducting Materials, Institute for Materials Research, Tohoku University.

Satoshi is a Professor in the High Field Laboratory for Superconducting Materials, Institute for Materials Research, Tohoku University and an Asian regional editor of Superconducting Science and Technology.