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Biography

- Mizuki Sakamoto is a Professor of Physics at University of Tsukuba, and a director of Plasma Research Center. He is currently a chair of Task Force related to DEMO development strategy at Ministry of Education, Culture, Sports, Science and Technology, Japan. He is also a member of ITPA Topical Group on SOL/DIV. He was a member of Board of Directors of Japan Society of Plasma Science and Nuclear Fusion Research (JSPF) from 2016 to 2020 and Editor-in-Chief of Plasma and Fusion Research from 2018 to 2020.
- Mizuki Sakamoto graduated in the Department of Physics at Nagoya University and started his research career in tokamak experiments on JIPP T-IIU. He worked at NIFS to develop the superconducting helical coil and then moved to Kyushu University, where he devoted himself to studies related to steady state operation in the superconducting tokamak TRIAM-1M and achieved the ultra-long tokamak discharge with the duration of more than 5 hours. He studied hydrogen recycling and plasma-wall interaction in the long duration discharges. In 2010, he moved to University of Tsukuba. He has studied divertor physics and plasma-wall interaction using the tandem mirror GAMMA 10/PDX. Recently, he has been leading a new project to build a superconducting mirror device named Pilot GAMMA PDX-SC and to contribute to the DEMO divertor study.