

Selected Research

Research area (Field)	Research topic	Research representative (Titles omitted)
【Area 1】 Basic research that will contribute to future nuclear power technology	New developments in radioactive waste processing applying porous silica	Nagoya University Youichi Enokida
	Development of an innovative reprocessing plant analysis system using microchemical chips	Tokyo Institute of Technology Takehiko Tsukahara
【Area 2】 Research that will contribute to improving the safety of nuclear power stations	Forecast and control of low-cycle fatigue fracture for steel structures during a massive earthquake	Nagoya University Kazuo Tateishi
	Upgrading wide area monitoring methods for piping using guided waves (development of screening techniques using guided waves)	University of Tokushima Hideo Nishino
	Highly accurate early tsunami forecast using satellite positioning data which applies ionospheric observation	Tokyo Gakugei University Masashi Kamogawa
	Introduction of food materials that function as absorption inhibitors, and displaying excretion promoting effects of strontium and cesium in vivo and the search for its active ingredients	University of Shizuoka Shuichi Masuda
	Research on the removal of radioisotopes through the use of non-flammable solvents	Tohoku University Tomoo Yamamura
	Development of passive ultra-high heat flux removal technology through wetting and micropore control	Yokohama National University Shoji Mori
	R&D of a radiation-proof Field Programmable Gate Array (FPGA)	Shizuoka University Minoru Watanabe
【Area 3】 Research that will contribute to improving the decommissioning of reactors No. 1 and 2 at the Hamaoka Nuclear Power Station	Development of miniature fracture toughness test specimens using specimen size dependent correction methods of irradiated material fracture toughness values	University of Fukui Toshiyuki Meshii

※Order of adoption study, accepted the order of application types in the classification order of the Research area