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| Photo | <i>Name</i> |
| | Dai Aoki |
| | <i>Contacting Information</i> |
| | Professor, Actinide Materials Science Division, Institute for Materials Research Tohoku University Narita-cho 2145-2, Oarai-machi, Higashiibaraki-gun, Ibaragi, 311-1313, Japan aoki@imr.tohoku.ac.jp |
| <i>Short CV (Education and Work Experience)</i> | |
| 03. 2000, PhD at the Graduate School of Science, Osaka University 03. 1997, M.S. at the Graduate School of Science, Osaka University 03. 1995, B.S. at the Faculty of Science, Osaka University 04.2012-present : Professor at IMR, Tohoku University 04.2007-present : Ingénieur chercheur at CEA-Grenoble 10.2002-3.2007 : Assistant Professor at IMR, Tohoku University 10.2001-09.2002 : Postdoctoral Fellow at CRTBT, CNRS-Grenoble 10.2000-09.2001 : Postdoctoral Fellow at DRFMC-SPSMS, CEA-Grenoble 04.2000-09.2000 : Research Fellow at Osaka University 04.1997-03.2000 : Research Fellow of the Japan Society for the Promotion of Science at Osaka University | |
| <i>Awards</i> | |
| 03.2009: Physical Society of Japan, Paper award 08.2008: IUPAP-C5 Young Scientist Prize in Low Temperature 03.2008: Physical Society of Japan, Incentive award for young scientist 01.2008: Condensed matter science prize 07.2004: Harada incentive award | |
| <i>Research interests and activities</i> | |
| Single crystal growth of actinide and rare earth compounds Magnetism and superconductivity in strongly correlated electron systems | |

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| Fermi surface studies |
| <i>Home-page and Link to research data base</i> (Japanese text only) |
| http://actinide.imr.tohoku.ac.jp/ |
| <i>Major publication</i> |
| <p>coexistence of superconductivity and ferromagnetism in URhGe.[Nature,413(6856),(2001),613-616]D. Aoki, A. Huxley, E. Ressouche, D. Braithwaite, J. Flouquet, J-P. Brison, E. Lhotel and C. Paulsen</p> <p>Unconventional heavy-fermion superconductivity of a new transuranium compound NpPd₅Al₂.[J. Phys. Soc. Jpn.,76(6),(2007)]D. Aoki, Y. Haga, T.D. Matsuda, N. Tateiwa, S. Ikeda, Y. Homma, H. Sakai, Y. Shiokawa, E. Yamamoto, A. Nakamura, R. Settai, Y. Onuki</p> <p>Extremely Large and Anisotropic Upper Critical Field and the Ferromagnetic Instability in UCoGe.[J. Phys. Soc. Jpn.,78,(2009),113709-]D. Aoki, T.D. Matsuda, V. Taufour, E. Hassinger, G. Knebel and J. Flouquet</p> <p>Ferromagnetism and Superconductivity in Uranium Compounds.[J. Phys. Soc. Jpn.,81(1),(2012),011003-]D. Aoki and J. Flouquet</p> <p>Field-Induced Lifshitz Transition without Metamagnetism in CeIrIn₅.[PHYSICAL REVIEW LETTERS,116(3),(2016),037202-]Aoki, D. Seyfarth, G. Pourret, A. Gourgout, A. McCollam, A. Bruin, J. A. N. Krupko, Y. Sheikin, I.</p> |
| <i>Present international collaborations</i> |

CEA-Grenoble, CNRS