

# CURRICULUM VITAE

Dr. Yasuhiro TAKANO

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## Contact Information

Kobe University, Dept. of Electric and Electronic  
Engineering, 1-1 Rokkodai, Nada, Kobe, 657-8501

Phone: +8178-803-6095  
e-mail: [takano@eedept.kobe-u.ac.jp](mailto:takano@eedept.kobe-u.ac.jp)

## Summary

Takano received doctor degrees from JAIST and University of Oulu in 2016 after working in Wireless communications industry for ten years. He is currently with Kobe University as Assistant Professor and provides lectures such as Electric and Electronic Engineering Experiments II (Logic circuit) and III (Microcomputer). His research interests include Signal processing for Wireless communications and Cyber security.

## Education

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| 2016 | Ph.D (Information Science).                      | School of Information Science. Japan Advanced Institute of Science and Technology (JAIST), Japan.<br><i>Thesis title: "Spectrally Efficient Turbo Reception Technologies for Single-Carrier Broadband Wireless Communications"</i> |
| 2016 | Dr. of Science in Technology (with distinction). | Dept. of Communications Engineering. University of Oulu (UOulu), Finland.<br><i>Double degree program between UOulu and JAIST.</i>   |
| 2010 | MSc. (Information Science).                      | School of Information Science. JAIST, Japan.<br><i>Thesis title: "A Survey on Channel Estimation for Frequency Domain Turbo Equalization"</i>  |
| 1999 | BSc. (Mathematics).                              | Dept. of Mathematics. Rikkyo University, Japan.<br><i>Research theme: "Development of a Linear Programming Library for Rational Number"</i>  |

## Professional Appointments

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| 2016 Apr. – Present   | <i>Assistant Professor</i> , Kobe University, Dept. of Electric and Electronic Engineering |
| 2010 Oct. – 2016 Mar. | <i>Research Assistant</i> at JAIST, Japan.   |
| 2006 Aug. – 2010 Sep. | <i>DSP Engineer</i> at ArrayComm LLC Japan branch, Japan.                                  |
| 1999 Apr. – 2006 Jul. | <i>System Engineer</i> at Matsushita System Engineering (Panasonic), Japan.                |

## Publications

- [1] Y. Takano, M. Juntti, and T. Matsumoto, " $\ell_1$  LS and  $\ell_2$  MMSE-based hybrid channel estimation for intermittent wireless connections," *IEEE Trans. Wireless Commun.*, vol. 15, no. 1, pp. 314–328, Jan 2016.
- [2] Y. Takano, M. Juntti, and T. Matsumoto, "Performance of an  $\ell_1$  regularized subspace-based MIMO channel estimation with random sequences," *IEEE Wireless Commun. Lett.*, vol. 5, no. 1, pp. 112–115, Feb 2016.
- [3] Y. Takano, K. Anwar, and T. Matsumoto, "Spectrally efficient frame format-aided turbo equalization with channel estimation," *IEEE Trans. Veh. Tech.*, vol. 62, no. 4, pp. 1635–1645, May 2013.