

Curriculum Vitae

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Present Position:

Deputy Division Manager
Business Promotion Division, Diagnostic Systems Division
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Education:

1983/4-1987/3 BSc: Faculty of Science and Technology,
Keio University
1987/4-1989/3 MSc: Graduate School of Science and Technology,
Keio University
2011/4-2015/3 PhD: Graduate School of Engineering,
Chiba University

Work Experience:

1989/4-1999/3 Researcher: Central Research Laboratory,
Hitachi, Ltd.
1999/4-2000/9 Researcher: R&D Division, Hitachi America, Ltd.
2000/10-2010/9 Senior Researcher: Central Research Laboratory,
Hitachi, Ltd.
2010/10-2013/9 Department Manager: Central Research laboratory,
Hitachi, Ltd.
2013/10-2016/3 Vice Division Manager: MRI Systems Division,
Hitachi Medical Corporation
2016/4-2016/11 Division Manager: MR Advanced Application
Systems Division, Diagnostic Systems Division,
Hitachi, Ltd.
2016/12- Present position

Awards

1. Presidential Award, 37th Meeting of Japanese Society for Magnetic Resonance in Medicine 2009.
2. Presidential Award, 39th Meeting of Japanese Society for Magnetic Resonance in Medicine 2011.
3. Presidential Award, 43rd Meeting of Japanese Society for Magnetic

Resonance in Medicine 2015.

4. Best Paper Award, Japanese Society for Magnetic Resonance in Medicine 2016.

Publications

1. Bito Y, Hirata S, Nabeshima T, Yamamoto E. Echo-planar diffusion spectroscopic imaging. *Magn Reson Med*. 1995;33(1):69-73.
2. Taniguchi Y, Nakaya C, Bito Y, Yamamoto E. A high-speed MRI simulator using the transition matrix method and periodicity of magnetization. *Systems and Computers in Japan* 1995;26:54-62.
3. Hirata S, Bito Y, Yamamoto E. Expansion of the spectral bandwidth by spatial and chemical shift selective saturation in high-speed magnetic resonance spectroscopic imaging. *Magn Reson Med* 1996;35(4):611-616.
4. Bito Y, Ebisu T, Hirata S, Takegami T, Yamamoto Y, Tanaka C, Naruse S. Lactate discrimination incorporated into echo-planar spectroscopic imaging. *Magn Reson Med* 2001;45(4):568-574.
5. Takegami T, Ebisu T, Bito Y, Hirata S, Yamamoto Y, Tanaka C, Naruse S, Mineura K. Mismatch between lactate and the apparent diffusion coefficient of water in progressive focal ischemia. *NMR Biomed* 2001;14(1):5-11.
6. Bito Y, Kero R, Matsuo H, Shintani Y, Silver M. Interactively visualizing data warehouses. *J Healthc Inf Manag* 2001;15(2):133-142.
7. Tsukada K, Kusaka T, Saari MM, Takagi R, Sakai K, Kiwa T, Bito Y. Magnetic susceptibility and magnetic resonance measurements of the moisture content and hydration condition on a magnetic mixture material. *J Appl Phys* 2014;115:17E301
8. Otake Y, Soutome Y, Hirata K, Ochi H, Bito Y. Double-tuned RF coil design for ^{19}F and ^1H imaging. *Magn Reson Med Sci* 2014;13(3):199-205.
9. Bito Y, Hirata K, Ebisu T, Kawai Y, Otake Y, Hirata S, Shirai T, Soutome Y, Ochi H, Yamamoto E, Umeda M, Higuchi T, Tanaka C. Diffusion-weighted line-scan echo-planar spectroscopic imaging technique to reduce motion artifacts in metabolite diffusion imaging. *Magn Reson Med Sci* 2015;14(1):43-50.
10. Yokosawa S, Sasaki M, Bito Y, Ito K, Yamashita F, Goodwin J, Higuchi S, Kudo K. Optimization of scan parameters to reduce acquisition time for diffusion kurtosis imaging at 1.5T. *Magn Reson Med Sci*, 2016;15(1):41-48.