

# Yasuhiro Imai

**Address:** 4-7-127 Asahigaoka, Hino, Tokyo Japan 191-8503  
(GE Healthcare Japan)

## Work Experience

---

**Apr/1999 – Oct/2010      GE Yokogawa Medical Systems  
(GE Healthcare Japan from Aug/2009)**

- Apr/1999 – Feb/2001 Software Development Engineer for Ultrasound products
  - Software developments in DICOM functionality and Graphic User Interface.
- Mar/2001 – Feb/2003 Clinical Scientist for CT imaging and applications
  - Multi-slice CT helical reconstruction algorithm development
  - CT post-processing application feasibility development
- Mar/2003 – Mar/2008 Senior Engineer for CT system/application
  - CT image reconstruction algorithm developments
  - CT sub-system lead for new CT product/feature development (LightSpeed VCT/VCT-Select)
  - Ultra-high resolution CT prototype system development and evaluation
  - Dual Energy CT feasibility projects and product development projects lead in the global organization
- Apr/2008 – Oct/2010 Architect for CT systems/applications
  - Several advanced technology projects lead for next generation CT products
  - CT radiation dose management applications research/development lead in the global organization

**Oct/2010 – Jul/2015      GE Healthcare USA**

- Oct/2010 – Jul/2015 Principal Engineer of CT Systems Physics and Image Quality
  - Sub-system and feature development lead for Discovery CT750 HD.
  - Clinical image quality optimization and dual energy development lead for new generation CT (Revolution CT)

**Jul/2015 – Present      GE Healthcare Japan**

- Jul/2015 – Present Engineering Manager, CT Physics and Imaging
  - Managing CT systems physics and image generation engineering team.

## Academic Research Experience

---

- Development of pre-operation assessment tool for stent-graft endovascular operation (while in master's program at National Cardiovascular Center in Japan)  
*Imai Y., Urayama S., Uyama C et al. A System for Computer-Assisted Design of Stent-Grafts for Aortic Aneurysms Using 3-D Morphological Models. Cardiovasc Intervent Radiol (2001) 24: 277*
- Certificate of Merit award in the post-processing algorithm presentation at RSNA 2003.  
*Imai Y et al. Moments-based Intensity Projection Method for CT and MR Imaging. RSNA 2003 <http://archive.rsna.org/2003/3108711.html>*

- CT collaboration research experiences with several key customers over 15 years.
- More than 30 scientific presentations/papers in international and domestic radiological societies/journals, and one published paper related ultra-high resolution CT was in Medical Physics journal as a first author (2009).  
*Imai Y et al. Development and performance evaluation of an experimental fine pitch detector multislice CT scanner. Med Phys. 2009;36:1120–7*  
*So A, Imai Y et al. Evaluation of a 160-mm/256-row CT scanner for whole-heart quantitative myocardial perfusion imaging. Med Phys. 2016 Aug;43(8):4821*

## **Education**

---

1997    Kansai University (Japan)  
           B.S in Electrical Engineering  
 1999    Kansai University (Japan)  
           M.S. in Electrical Engineering

## **Language Skill**

---

Japanese	Native Level
English	Business Level