

Fukuda, Takayasu

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Education

March 1976: Graduated Osaka University (Engineering Science, Electric Engineering)

March 1978: Graduated Osaka Univ. Graduate School (Engineering Science)

Job Experiences

December 2003 - November 2013: Olympus Co.

- Created and managed a new section to implement cameras and their peripherals with WLAN (Wireless LAN) module. (Section Manager)
- President of a subsidiary of Olympus Co. at San Diego (February 2006 - March 2011) Enhanced the company organization as an R&D division and redefined the scope to develop a system as well as chips and/or modules. Developed a UWB (Ultra Wide-Band) wireless subsystem for medical imaging systems.
- Have been supervising and leading the development of wireless medical systems. (Deputy General Manager)

February 1996 -November 2003 : Nippon Ericsson, K.K., (Senior Manager)

- Stayed in RTP (NC, USA) to join a development team of PDC phones. (Feb. 96 to Aug. 97). Was in charge of their RF circuit design and type approval. The model was shipped as ER205.
- Came back to Japan and was engaged in development of a new PDC phone as a manager of RF division. Designed the RF section and the model was shipped as ER207.
- Took part in WCDMA standardization at 3Gpp, and contributed to some articles in the draft specifications.
- Supervised development of the latest PDC phone (ER209) and WCDMA terminal as an acting general manger of H/W division. (Senior Manager)

- Managed the section for reference design and customer project, that later worked on verification and reference design of 3G (UMTS) terminals. (Technical Manager)

September 1992 - January 1996: Advanced Mobile Systems (Senior Engineer - Manager)

- Designed RF section of a PDC phone for DENSO.

October 1986 - September 1992: Nihon Digital Equipment (Senior Engineer - Manager)

- Developed the optical LAN systems (standardized as FDDI later). Designed fast optical transmitter/receivers. The project was canceled.
- Moved to mass-storage development section and helped development and verification of a tape drive, which was shipped as TZ-30.
- Manager of PC SW development section. At the same time, tried to establish a project for Wireless LAN development. Developed some prototypes and kept track of the activities of IEEE802.11 standardization.

April 1978 - September 1986: Fujitsu Limited (Engineer, Senior Engineer)

- Started my career as a researcher of semiconductor devices, in particular IR (infrared) detectors. Developed HgCdTe IR photo-diodes and the optical heterodyne receivers using them.
- Moved to FSI (Fujitsu System Integration Lab.) and applied the technologies above to a LASER RADAR. Developed a prototype of Range-Resolved LASER RADAR, which was shipped to JSDF.
- Developed an IR missile seeker, which was employed in ASM-1 of JSDF. Worked as a system designer as well as an electronic circuit engineer.

Additional Information

- Fluent in Japanese and English
- Proficient in programming languages: C, Python, HTML etc.