

Kazuya Nakayama

My research interests are electronic devices and information and communication technology (ICT) for medical services and medical electronics.

One research area in which I am most interested is phase change random access memory (PRAM). PRAM has a simple cell structure with a high degree of scalability, good stability, high operation speed, and good endurance. These advantages make PRAM one of the most promising forms of nonvolatile memory in the next generation memory market.

(http://hope.mp.kanazawa-u.ac.jp/pram/siryou/pram_en.pdf)

Applications of telemedicine and image compression are also topics of interest to me (Jpn. J. Med. Phys. Vol.25, No.4 (2005) pp.151-155). In addition, my group has built an e-Learning system for students within my department.