



• Field Virtual reality and computer graphics

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• Title Professor

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## Education background

1984 ~ 1990 The Korea Advanced Institute of Science and Technology (Doctor of Engineering - Department of Electrical Engineering)  
1982 ~ 1984 (Master of Engineering - The Department of Electrical Engineering)  
1978 ~ 1982 (Bachelor of Engineering - The Department of Electronic Engineering)

## Major careers

2009 ~ Director of the Research Institute of BIT Convergence  
2008 NEXT business team leader  
2000 ~ 2003 Team leader of the Multimedia Application Technology Business Group

## Studies & Books

### Major research performance

- "Fractal analysis of mandibular bony healing after orthognathic surgery," Oral Surg. Oral Med. Oral Patho. oral Radio. and Endo. (2002)
- "Effective nonlinear apoach for optical flow," Signal Processing (2001)
- "Knowledge-based image processing for on-off type DNA microarray" Proceedings of SPIE (2002)
- Efficient hardware-software co-implementation of a digital dental X-ray system," Proceedings of SPIE (2001)

## Others

### Major research fields

- Image Processing and Communication

### Affiliated Society

- The Korean Institute of Communications and Information Sciences
- IEEE, SPIE