



• Field Biometrics and healthcare systems  
• Name Ahn, Jae-mok  
• Title Professor

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## Education background

1987 ~ 1991 Seoul National University Bachelor of the Department of Electronic Engineering  
1992 ~ 1994 Seoul National University Master of the Department of Biomedical Engineering  
1994 ~ 1998 Seoul National University Doctor of the Department of Biomedical Engineering

## Major careers

2009.02 ~ 2011.01 Dean of the Department of Electronic Engineering  
2006.02 ~ 2007.01 Head of the Major in Silver Engineering  
2006 ~ 2006 Visiting Reserch of the Department of Biomedical Engineering, State University of New York at Stony Brook (SUNY), U.S.  
2005 ~ 2006 Visiting professor of the College of Physicians and Surgeons, Columbia University, U.S.  
2004.02 ~ 2005.01 Dean of the Department of Electronic Engineering, Graduate School  
2003.02 ~ 2004.01 Head of the Major in Electronic Engineering  
2001.04 ~ 2003.03 Director of the Research Institute for Information and Electronics  
1995 ~ 1996 Research Fellow of the Department of Artificial Organs, the National Cerebral and CardioVascular Center, Osaka, Japan  
1994 ~ 1998 Researcher of the Biomedical Research Institute, Seoul National University

## Studies & Books

### Theses

- New Aging Index Using Signal Features of Both Photoplethysmograms and Acceleration Plethysmograms. Healthcare Informatics Research (2017)
- Wave detection in acceleration plethysmogram. Healthcare Informatics Research (2015)
- Aging Index using Photoplethysmography for a Healthcare Device: Comparison with Brachial-Ankle Pulse Wave Velocity. Healthcare Informatics Research (2014)
- heart Rate Variability (HRV) analysis using simultaneous handgrip electrocardiogram and finger photoplethysmogram. International Journal on Advances in Information Sciences and Service Sciences (2013)

## Others

### Awards

- Excellent Paper Prize of the Korea Society of Medical & Biological Engineering (plaque)
- Excellent Paper Prize of Young Scientist, the Japan International Biomedical Engineering Conference (Prize money and Plaque)
- Excellent Paper Prize of Young Scientist, the Australia International Biomedical Engineering Conference (Prize money and Plaque)

### Affiliated Society

- The Korea Society of Medical & Biological Engineering, the Institute of Electronics and Information Engineers, and the Korean Institute of Electromagnetic Engineering and Science,

### Major Research Topics

- Biomedical Engineering - Biomedical engineering technology , biometric system, and biomedical signal processing