



• Field Signal processing, circuit systems, etc.
• Name Bae, Moo-ho
• Title Professor

• Office College of Engineering 1339
• Tel 033-248-2350
• email mhbae@hallym.ac.kr

I Educational background

1988 ~ 1992 KAIST (Doctor of Engineering - The Department of Electricity and Electronic Engineering)
1986 ~ 1988 KAIST (Master of Engineering - The Department of Electricity and Electronic Engineering)
1982 ~ 1986 KAIST (Bachelor of Engineering - The Department of Electrical Engineering)

I Major careers

2016.06 ~ 2018.06 의료영상연구소장
2015.02 ~ 2017.01 Dean of the Department of Electronic Engineering
2014.06 ~ 2016.05 의료영상연구소장
2012.06 ~ 2014.05 의료영상연구소장
2010.06 ~ 2012.05 의료영상연구소장
2008.02 ~ 2009.01 Dean of the Department of Electronic Engineering, Graduate School
2007.11 ~ 2009.10 정보소재연구소장
2007.03 ~ 2008.02 실버공학협동전공 주임교수
2007.02 ~ 2008.01 Head professor of Major in the Electronic Engineering
2005.02 ~ 2006.01 실버공학협동전공 주임교수
1995 ~ 2004 Chief researcher, chief researcher, researcher and research director of Samsung Medison Co., Ltd.
1992 ~ 1995 Senior researcher of Daewoo Electronics Co., Ltd

■ Social Career

- Chief researcher, chief researcher, researcher and research director of Samsung Medison Co., Ltd.
- Senior researcher of Daewoo Electronics Co., Ltd

I Studies & Books

■ Theses

- "Tissue Stiffness Measurement Using Temporal Variation of Ultrasound Speckle Pattern", Proceedings of SPIE medical Imaging (2003)
- "Orthogonal golay code based ultrasonic imaging without reducing frame rate", Proceedings of 2002 IEEE international ultrasonic symposium (2002)
- "Beamforming using the synthetic sinc wave for ultrasonic imaging system", Proceedings of 2001 IEEE international ultrasonic symposium (2001)
- "A study of synthetic-aperture imaging with virtual source elements in B-mode ultrasound imaging systems", IEEE Trans. UFFC (2000)
- "Experimental study of new sidelobe reduction filters in ultrasound imaging", Proceedings of 2000 IEEE international ultrasonic symposium (2000)
- "Effects and limitations of motion compensation in synthetic aperture techniques", Proceedings of 2000 IEEE international ultrasonic symposium (2000)
- "Realization of sinc waves in ultrasound imaging systems", Ultrasonic Imaging (1999)
- "Experimental study of transmit synthetic focusing combined with receive dynamic focusing in B-mode ultrasound imaging systems", Proceedings of 1999 IEEE international ultrasonic symposium (1999)
- "Bidirectional pixel based focusing in conventional B-mode ultrasound imaging", Electronics Letters (1998)
- "Realization of Transmit and Receive Focusing with Limited-Diffraction Beam using Linear Transducer in B-mode Ultrasound Imaging System", Proceedings of 1998 IEEE international ultrasonic symposium (1998)

I Others

■ Awards

- Technical Award of the Institute of Electronics and Information Engineers