

Seo Hae Jong

University of California, Santa Cruz
Electrical Engineering Department Baskin
School of Engineering
1156 High Street
Santa Cruz, CA 95064
(831) 459-4141
hseo@ucsc.edu / rokaf@soe.ucsc.edu
<http://www.soe.ucsc.edu/rokaf>

University Town Center
Santa Cruz, CA 95060
(831) 502-0300

- EDUCATION**
- ◇ **University of California, Santa Cruz (2006 – Present)**, Santa Cruz, CA.
Ph.D. Candidate in Electrical Engineering
 - ◇ **Sungkyunkwan University(2005 – 2006)**, Seoul, South Korea.
M.S. degree in Electrical Engineering
Thesis title: *Common Image Method(Nullspace+2DPCA) for Face Recognition*.
Research focused on face recognition and facial expression recognition. Thesis supervised by Prof. Joong Kyu Kim. GPA : 4.43/4.5
 - ◇ **Sungkyunkwan University(1997 – 2005)**, Seoul, South Korea.
B.S. degree in Electrical Engineering
Research focused on a real-time face detection system based on Adaboost algorithm. Thesis supervised by Prof. Joong Kyu Kim. GPA: 3.91/4.5
- RESEARCH INTERESTS** Image Resolution Enhancement, Super-resolution, Shape Reconstruction From Local and Global Geometric Data, Multiscale Modeling and Analysis of Signals and Images, Pattern Recognition, Image Segmentation, Multi View Geometry, Face Detection, Face Recognition, Facial Expression Recognition
- RESEARCH PROJECTS**
- ◇ **Korea Electronics Technology Institute(2004 – 2006)**
Digital Signal Processing Lab., Sungkyunkwan University
Research assistant position with Prof. Joong Kyu Kim. Research focused on development of real-time face tracking and facial expression recognition systems. Face detection system was patented.
 - ◇ **Samsung Electronics(2005)**
Digital Signal Processing Lab., Sungkyunkwan University
Research assistant position with Prof. Joong Kyu Kim. Research focused on development of a real-time PDA face recognition system. Face recognition system was patented.
- PATENTS**
- [1] Hae Jong Seo, Young kyung Park, Joong Kyu Kim, “An Adaptive Face Detection System Based on Learning”
Patent Number: 10-2004-00113139
Date of Patent: Dec/27/2004
 - [2] Hae Jong Seo, Young kyung Park, Joong Kyu Kim, “Face Normalization Method and Recognition System In a PDA Phone”
Patent Number: P2005-0087284
Date of Patent: Sep/20/2005
- SKILLS**
- ◇ **Programming Languages:** C/C++ (ANSI, Visual C++/MFC), Visual Basic, Java
 - ◇ **Programming Tools:** Matlab
 - ◇ **Tools:** Adobe Photoshop, Adobe premiere

- AWARDS ◇ **Best Student paper(2004/2006)**
Sungkyunkwan University , Electrical Engineering
- JOURNAL
ARTICLES [1] Hae Jong Seo, Young kyung Park, Joong Kyu Kim, “Common Image Method (Nullspace+2DPCA) for Face Recognition”, *Advanced Concepts for Intelligent Vision Systems, Volume, Lecture Notes in Computer Science, 4179/2006, p 699-709*
- CONFERENCE
PAPAERS [1] Hae Jong Seo, Young kyung Park, Joong Kyu Kim, “Common Image Method (Nullspace+2DPCA) for Face Recognition”, *Advanced Concepts for Intelligent Vision Systems(Acvis '06)*,
- [2] Hae Jong Seo,Young kyung Park, Joong Kyu Kim,“Common Image Method for Both Face Identification and Authentication”, *International Conference on Computer and Communication Engineering(ICCCE '06)*
- THESIS Hae Jong Seo *Common Image Method(Nullspace+2DPCA) for Face Recognition*, M.S.Thesis, School of Information and Communication Engineering. Sungkyunkwan University, 2006
- Hae Jong Seo *A real-time face detection system based on AdaBoost Algorithm*, B.S.Thesis, School of Information and Communication Engineering. Sungkyunkwan University, 2006
- REFERENCE Available on request.