HAO DONG

Wuhan, Hubei, China ● (+86) 13667152350 ● donghao@whu.edu.cn

EDUCATION

School of Electronic Information , Wuhan University (WHU)--Wuhan, China

Candidate for Ph.D. in Signal & Information Processing   2015-current

Master of Science in Signal & Information Processing

Bachelor of Communication Engineering   GPA:3.5/4   2012

EXPERIENCE

Signal Processing Lab, School of Electronic Information, WHU

"*National Science and Technology Major Project (civil part)of High-Resolution Earth Observation (NSTMPHREO)—Terrain Target Identification Using GF-3 (Pol)SAR Image* "   2014-current

- Main member to prepare the project proposal and the presentation slides
- Main designer of "Object-Oriented Terrain Fine-classification of GF-3 (Pol)SAR images "   (subsystem of the program)

"*NSTMPHREO—Demonstration System of Disaster Reduction and Applications*"   2013-current

- Main developer of the "Building Damaged Information Extraction and Evaluated System", including the based PolSAR processing system, 3 urban area extraction, and 3 collapsed buildings extraction methods
- Proposed a "Content Retrieval and Learning based Collapsed Buildings Extraction Method" and a corresponding patent is pending

Teaching Assistant in Speech Signal Processing to class of 30 students   2014

- After class tutoring, Graded essays
- Guided students to select the subject of final project
- Graded in the final presentation as a reviewer

Teaching Assistant in Digital Signal Processing to class of 50 students   2013

- Homework correcting once a week, Graded mid- and final term exams
- Gave a class about homework in mid-term

School of Electronic Information, WHU

"*The Study and Implementation of Some Key Techniques on Car DVRs Based on the Multi-Camera Coordination and Video Enhancement* " (NO. 1210486065)，   2012-2014
Project of Innovation and Entrepreneurship Training for National Undergraduates

- A demonstration system (Video record, Communication between cars, and Features extraction) based on Lego NXT car, DE2 FPGA boards, Evaluated as excellent program
- Technical support: OpenCV transplantation to NIOS II architecture based Linux , image processing methods

"An Auto Coordination Video Surveillance Node Device of Object Identification and Tracking ",   2012
Utility Model Patent (ZL 2011 2 0526530. 1)

- Program development for human detection, Material preparation

"Intelligent System of Heart-Rate Detection and Surveillance", Software Copyright (2012SR085766)   2012
- A software to detect and record people's heart-rate and other cardiac information simply and conveniently just by an ordinary camera
- Responsible for UI design,   heart-rate curve plot
- Managed to develop an Android APP and take part in the 3rd Android APP development Challenge for Chinese College Students of 2012

"Intelligent Video Surveillance System of Multi-Nodes Collaboration" (NO. S2011325)，
Undergraduates Science Research Project of Wuhan University   2011-2012
- A software developed based on OpenCV and Visual Studio 2010, with two cameras, functions include human detection, face detection and video stitching
- Developer, report in final representation,

Commissary in charge of Studies   2011-2012
- Organize 15 students to study in Signal Processing Lab

"A Visit to Huawei Company (Wuhan)", Summer Social Practice   2011
- Scene visit

AWARDS & HONORS

- Outstanding paper ("Parameters Estimation of Alpha-stable distribution", directed by Prof. Xin Xu) of Bachelor's degree in Hubei Province   2013
- Second-class Scholarship, Wuhan University (15%)   2012
- Second Prize of "Central China Invitational Mathematics Modeling Competition" (7%)   2012
- Second-class Scholarship, Wuhan University   2011
- Second-class Scholarship, Wuhan University   2010
- Second-class Scholarship of freshman, Wuhan University   2009

SKILLS

- **C++，MATLAB, Latex, and Python**