**Master and Ph.D Student RA Position in Digital Integrated Systems Lab**

**Inha University, Incheon, South Korea**

**(Due: April 15. 2018)**

**Digital Integrated Systems Lab.,**

**Dept. of Information and Communication Engr.**

**Inha University, Incheon, South Korea**

**Lab Homepage:** [**http://soc.inha.ac.kr**](http://l.facebook.com/l.php?u=http%3A%2F%2Fsoc.inha.ac.kr%2F&h=cAQGiJHle&s=1)

**University Homepage:** [**http://www.inha.ac.kr**](http://www.inha.ac.kr)

**Graduate School Homepage: http://gradeng.inha.ac.kr**

**Contact:** [**hhlee@inha.ac.kr**](mailto:hhlee@inha.ac.kr) **(Prof. Hanho Lee)**

**Digital Integrated Systems Labs. (Prof. Hanho Lee)** is looking for an excellent combined Master-Ph.D program, MS, and PhD students in the area of algorithm and VLSI architecture design for cryptography, artificial intelligent (deep learning), error correction coding (LDPC, Polar, BCH, etc.), digital signal processing (DSP), communications. Depending on the student’s experience and interests, the student will start working e.g. in one of the following fields:

**- Cryptography algorithm and architectures for Internet of Thing (IoT)**

**- Hardware cryptography architecture design**

**- Hardware architecture for artificial intelligent**

**- Forward Error Correction coding and architecture design**

**Detailed lab information is in** [**http://soc.inha.ac.kr**](http://soc.inha.ac.kr)

1. **Requirements:**

The research topics require either 1) excellent programming skills and comprehension (or interest) of digital signal processing, communications, computer architectures, OR 2) expertise in C/C++, Verilog HDL coding, and VLSI architectures.

**1) English score: Official TOEIC 700, IELTS 5.5, or TOEFL IBT 80 score (minimum requirement for application)**

2) Candidates must finish his/her Bachelor or Master program (Electronic/ Electrical/ Telecommunication/ Information/ Communication Engineering) before May. 2018 with good GPA.

3) Familiar with **C/C++, Matlab and Verilog HDL**

4) Experience in DSP algorithm, digital VLSI architecture design, software coding or having publication on international conference/journal will be a plus.

**(2) Benefits:**

1) Study and research in a professional environment with a very nice professor and friendly lab members.

2) Selected candidates can get full tuition waive for PhD periods, 50% tuition waive for Master period

3) Monthly support: minimum 1,200,000 KRW (around $1,100) for Ph.D students and can be increased depending on your performance.

4) Opportunities to attend international conferences oversea paid by research fund.

**(3) Deadline: April. 15, 2018**

If you are interested in joining, please send your CV, master and bachelor transcripts and degrees **directly to Prof. Hanho Lee (hhlee@inha.ac.kr).**

Selected candidates will be announced **at the end of April, 2018** and guided to prepare all required documents to submit to Inha University.

Informal enquiries can be made to Prof. Hanho Lee ([hhlee@inha.ac.kr](mailto:hhlee@inha.ac.kr)) and Ph.D student Nguyen Tan Tuy ( [tuynguyen@inha.edu](mailto:tuynguyen@inha.edu) )

**Admission Information for Inha University Graduate School is available in http://gradeng.inha.ac.kr/**