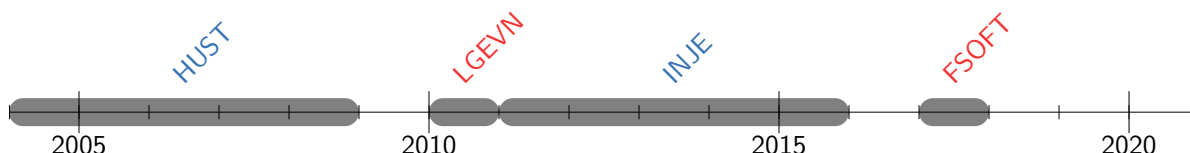


# Hoang-Linh TO | CV

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*“TEAM–Together Everyone Achieves More”*



## Education

|   |  |
|---|--|
| <b>Dept of Information and Communication System</b><br><i>Doctor of Engineering, Grade–4.46/4.5</i><br>Major: <b>Network</b>  | <b>Inje University</b><br>2013–2016                            |
| <b>Dept of Information and Communication System</b><br><i>Master of Engineering, Grade–4.25/4.5</i><br>Major: <b>Network</b>  | <b>Inje University</b><br>2011–2013                            |
| <b>Dept of Industrial Automation</b><br><i>Bachelor of Engineering, Grade–7.97/10</i><br>Major: <b>Control and Automation</b> | <b>Hanoi University of Science and Technology</b><br>2004–2009 |

## Experience

Full-time.....

|  |                                       |
|--|---------------------------------------|
| <b>FPT Global Automotive [S16]</b><br><i>Middleware Developer</i><br>Automotive communication stack: TCP/IP, NFC, etc.<br>Detailed achievements:<br><ul style="list-style-type: none"> <li>Developed TCP/IP stack using lwIP (lightweight IP) [EAR, 4–9/2017].</li> <li>Tested SNEP protocol in NFC (Near-Field Communication) stack [RTM, 5–7/2017].</li> </ul> | <b>FPT Software</b><br>3/2017–present |
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|   |  |
|---|--|
| <b>Dept of Research and Development [Home Entertainment]</b><br><i>Circuit Engineer</i><br>In charge of new products line up including CRT TV, Plasma TV and LCD/LED Monitor.<br>Detailed tasks:<br><ul style="list-style-type: none"> <li>Developed new electronic local parts and reduced total product price;</li> <li>Co-worked with outsource partners in PCB Jig equipment's installation;</li> <li>Supported production line for problems related to software and defect circuit parts;</li> <li>Supported customers for better user-experience in using LG products.</li> </ul> | <b>LG Electronics Vietnam</b><br>2010–2011 |
|---|--|

Internship.....

|  |  |
|--|--|
| <b>Electrical Workshop</b><br><i>Automation Engineer</i> | <b>Hoang Mai Vicem Factory</b><br>1–2/2009 |
|--|--|

Study about cement production line operation.

## Training Courses.....

### Corporate Training Center

*Fresher Embedded Developer*

Basic C and Embedded Programming for ARM Cortex M.

**FPT Software**

1–3/2017

### Language Link

*Business English*

Business English: Intermediate Level.

**Petronas**

8–10/2008

## Publications

### Theses.....

- [1] H.-L. To, "Control frameworks for queue management in bufferbloaded networks," Ph.D. dissertation, Inje University, South Korea, 2016. [Online]. Available: <http://www.dcollection.net/handler/inje/000000011422>
- [2] —, "Burst traffic management schemes for quality of service in optical burst switching network," Master's thesis, Inje University, South Korea, 2013. [Online]. Available: <http://www.dcollection.net/handler/inje/000000008236>
- [3] —, "Design a 400-hz 3-phase sinusoidal ac power unit," Bachelor's thesis, Hanoi University of Science and Technology, Viet Nam, 2009.

### SCIE Journal Articles.....

- [1] K.-H. Kim, H.-L. To, W.-J. Hwang, and J.-T. Lee, "Infinite queue management via cascade control for industrial routers in smart grid ip networks," *Scientific Programming*, vol. 2016, no. SP towards a Smart World, pp. 1–10, 2016.
- [2] A. Radwan, H.-L. To, and W.-J. Hwang, "Optimal control for bufferbloat queue management using indirect method with parametric optimization," *Scientific Programming*, vol. 2016, no. Optimization Models and Algorithms, pp. 1–10, 2016.
- [3] Q.-V. Pham, H.-L. To, and W.-J. Hwang, "A multi-timescale cross-layer approach for wireless ad hoc networks," *Computer Networks*, vol. 91, pp. 471–482, 2015.
- [4] H.-L. To, T. M. Thi, and W.-J. Hwang, "Cascade probability control to mitigate bufferbloat under multiple real-world tcp stacks," *Mathematical Problems in Engineering*, vol. 2015, no. Control Problem of Nonlinear Systems, pp. 1–13, 2015.
- [5] H.-L. To, S.-H. Lee, and W.-J. Hwang, "A burst loss probability model with impatient customer feature for optical burst switching networks," *International Journal of Communication Systems*, vol. 28, no. 11, pp. 1729–1740, 2015.

## Awards/Scholarships

**2017:** "Best Team Performance" award, NFC Team – FPT Global Automotive, FPT Software.

**2017:** "Fast and Furious" award – FPT Global Automotive, FPT Software.

**2014:** "Best Student Paper" award – 3<sup>rd</sup> Japan-Korea Joint Workshop on Complex Communication Sciences (JKCCS'14), Busan, Korea.

**2011:** “Global IT Talent” scholarship for a Master course – Inje University, Korea.

## Languages

**English:** TOEIC: **870**

*Will be expired on: 20-12-2017*

**Korean:** Basic

*Daily conversational*

## Professional Skills

**Languages:** C, Python.

**Tools:** Vim, Git.

**MCU Families:** ARM Cortex-M, dsPIC.

**Typesetting:** L<sup>A</sup>T<sub>E</sub>X, Office.

## Communication Skills

**2011–2015:** Gave several oral presentations at Korea Multimedia Society (KMMS) conferences.

## Interests

- Playing chess
- Travelling
- Challenging IQ Games
- Singing Karaoke

## References

**Won-Joo HWANG** 

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**Ku-Hwan KIM** 

 **Client**

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