

# Quoc-Tin Phan

Doctoral Research Fellow  
DISI - University of Trento  
Italy

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## Education

- Nov **Doctoral Research Fellow**, *University of Trento, Italy*.  
2015–Now Areas of Concentration: Multimedia Forensics.  
Supervisor: Prof. Giulia Boato.
- June 2014 **M.Sc. in Computer Science**, *University of Science, VNU-HCM, Vietnam..*  
Areas of Concentration: Cryptography, Digital Signal Processing.  
Thesis: Public key cryptography based on the discrete logarithm problem on a matrix group and its application in searchable encryption.  
Supervisor: Prof. Dinh-Thuc Nguyen (ndthuc@fit.hcmus.edu.vn).  
Thesis score: 9.6/10.  
GPA: 8.04/10.
- July 2011 **B.S., Honor Program in Computer Science**, *University of Information Technology, VNU-HCM, Vietnam.*  
Areas of Concentration: Data communication and Networking.  
Thesis: Sync data on parallel channels for distance learning.  
Supervisor: Dr. Hong-Hai Dam-Quang.  
Thesis score: 9.25/10.  
GPA: 8.14/10.

## Academic & Research experience

- May **Researcher**, *University of Information Technology, VNU-HCM, Vietnam.*  
2011–Oct Research activities include:  
2015
  - Public-key encryption with keyword search using matrix group.
  - Simulation of common digital modulation techniques: amplitude modulation, frequency modulation, phase shift keying, quadrature amplitude modulation.
  - Distance learning system supporting unicast, multicast, and broadcast connections.
- May **Teaching assistant**, *University of Information Technology, VNU-HCM, Vietnam.*  
2011–Oct Courses: Digital Signal Processing, Computer Networking.  
2015

## Other experience

- Nov **Part-time Lead Firmware Engineer**, *Aotea Global Services Limited (AGS), HCM,*  
2013–April *Vietnam.*
- 2014 I was responsible for developing firmware to build a system involving electronic devices: Arduino boards, bluetooth, GPS, RF transceivers.

Aug 2010–April 2011 **3D Game Programmer**, *Gameloft Corporation*, HCM, Vietnam.  
I was responsible for porting 3D games written in C++ to be runnable on Android platform.

## Personal skills

Languages **Vietnamese**, mother tongue.

**English**, upper-intermediate.

Computer **Operating systems & Office suites**, advanced knowledge in Microsoft Office, Windows, and Mac OS.

**Programming languages**, good at C++, C#, Visual Basic, Java, Matlab, Python.

**Others**, Latex.

## References

University of Trento  
Italy

- Giulia Boato  
*giulia.boato@unitn.it*
- Francesco G. B. De Natale  
*francesco.denatale@unitn.it*

University of Science, VNU-HCM  
Vietnam

- Dinh-Thuc Nguyen  
*ndthuc@fit.hcmus.edu.vn*

## Publications

- [1] Q. T. Phan, G. Boato, and F. G. B. D. Natale, "Image Clustering by Source Camera via Sparse Representation," in *International Workshop on Multimedia Retrieval (ICMR)*, 2017 (accepted).
- [2] Q. T. Phan, A. Budroni, C. Pasquini, and F. G. B. D. Natale, "A Hybrid Approach for Multimedia Use Verification," in *MediaEval*, 2016.
- [3] Q. T. Phan, D. T. Dang-Nguyen, G. Boato, and F. G. B. D. Natale, "Face spoofing detection using LDP-TOP," in *IEEE International Conference on Image Processing*, Sept 2016, pp. 404–408.
- [4] T. Q. Phan, V. H. Dang, and T. D. Nguyen, "A Novel Construction for PEKS Scheme Using Matrix Group," in *Ubiquitous Information Technologies and Applications*. Springer, 2014, pp. 335–343.