

## Quoc-Tin Phan

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| CONTACT<br>INFORMATION               | Department of Information Engineering and Computer Science<br>University of Trento, Italy<br>Via Sommarive<br>9 I-38123 Povo (TN)   | (+39) 3420236513<br>quoctin.phan@unitn.it |
| RESEARCH<br>INTERESTS                | Multimedia forensics, applied machine learning  |   |
| EDUCATION                            | <b>University of Trento</b> , Trento, Italy<br><br>Ph.D., <i>Multimedia Analysis</i> , <i>Expected</i> : December 2018 <ul style="list-style-type: none"><li>• Thesis Topic: <i>On The Origin of Digital Images</i></li><li>• Advisors: Giulia Boato, Ph.D and Francesco G. B. De Natale, Ph.D</li></ul> <b>University of Science, HCMC</b> , Ho Chi Minh city, Vietnam<br><br>M.S., Computer Science, June 2014 <ul style="list-style-type: none"><li>• Topic: <i>Public key cryptography based on the discrete logarithm problem on a matrix group and its application in searchable encryption</i></li><li>• Advisor: Thuc D. Nguyen, Ph.D</li></ul>   |   |
| ACADEMIC &<br>RESEARCH<br>EXPERIENCE | <b>Research Visitting Student</b> Sep. 2018 to Jan. 2019<br>Visual Information Processing and Protection (VIPP)<br>Department of Information Engineering and Mathematics<br>University of Siena, Italy<br>Supervisor: Mauro Barni, Ph.D<br><b>Doctoral Research Fellow</b> Oct. 2015 to present<br>Doctoral School in Information and Communication Technology<br>University of Trento, Italy<br>Supervisor: Giulia Boato, Ph.D and Francesco G. B. De Natale, Ph.D<br><b>Teaching Assistant</b> Sep. 2017 to Mar. 2018<br>Multimedia Data Security (codice 145614)<br>Collaborator in <a href="#">EUREGIO</a> challenge<br><b>Research Assistant</b> May. 2011 to Oct. 2015<br>Faculty of Computer Network and Communication<br>University of Information Technology, HCMC<br>Supervisors: Hong-Hai Dam-Quang, Ph.D  |   |
| PUBLICATIONS                         | <ol style="list-style-type: none"><li>1. <b>Q.-T. Phan</b>, C. Pasquini, G. Boato, F. G. B. De Natale, “Identifying image provenance: an analysis of mobile instant messaging apps”, <i>Int. Workshop on Multimedia Signal Processing</i>, 2018.</li><li>2. F. Lago, <b>Q.-T. Phan</b>, G. Boato, “Image Forensics on Online News”, <i>Int. Workshop on Multimedia Signal Processing</i>, 2018.</li><li>3. <b>Q.-T. Phan</b>, D.-T. Dang-Nguyen, G. Boato, F. G. B. De Natale, “Using LDP-TOP In Video Based Spoofing Detection”, <i>Int. Conference on Image Analysis and Processing</i>, 2017.</li><li>4. <b>Q.-T. Phan</b>, G. Boato, F. G. B. De Natale, “Image Clustering by Source Camera via Sparse Representation”, <i>Int. Workshop on Multimedia Forensics and Security</i>, 2017.</li><li>5. <b>Q.-T. Phan</b>, A. Budroni, C. Pasquini and F. G. B. De Natale, “A Hybrid Approach for Multimedia Use Verification”, <i>MediaEval</i>, 2016.</li></ol> |   |

6. **Q.-T. Phan**, D. T. Dang-Nguyen and G. Boato and F. G. B. De Natale, “Face spoofing detection using LDP-TOP”, *Int. Conference on Image Processing*, 2016.
7. **Tin Q. Phan**, Van H. Dang and Thuc D. Nguyen, “A Novel Construction for PEKS Scheme Using Matrix Group”, *Ubiquitous Information Technologies and Applications*, 2014.

#### SUBMITTED PUBLICATIONS

1. **Q.-T. Phan**, G. Boato, R. Caldelli, I. Amerini, “Tracking Multiple Image Sharing on Social Networks”, 2018. Submitted to *Int. Conference on Acoustics, Speech, and Signal Processing*.
2. **Q.-T. Phan**, G. Boato, F. G. B. De Natale, “Accurate and Scalable Image Clustering Based On Sparse Representation of Camera Fingerprint”, 2018. To appear in *IEEE Transactions on Information Forensics & Security*.
3. E. Sansone, **Q.-T. Phan**, F. G. B. De Natale, “Coulomb Autoencoders”, 2018. Submitted to *International Conference on Artificial Intelligence and Statistics*.

#### PRESENTATIONS

##### Conferences and Workshops

- Int. Conference on Image Processing, Arizona, USA Sep 2016
- MediaEval Workshop, Hilversum, Netherlands Oct 2016
- Int. Workshop on Multimedia Forensics and Security, Bucharest, Romania June 2017
- Int. Conference on Image Analysis and Processing, Sicily, Italy Sep 2017
- GTTI Thematic Meeting on Multimedia Signal Processing, Trento, Italy 2018

#### REFERENCES

##### Giulia Boato

Assoc. Professor  
Dep. of Information Engineering and  
Computer Science  
University of Trento, Italy

E-mail: giulia.boato@unitn.it

##### Francesco G. B. De Natale

Professor  
Dep. of Information Engineering and  
Computer Science  
University of Trento, Italy

E-mail: francesco.denatale@unitn.it

##### Thuc D. Nguyen

Assoc. Professor  
Dep. of Information Technology  
University of Science, HCMC, Vietnam

E-mail: ndthuc@fit.hcmus.edu.vn