

Huu-Hiep NGUYEN

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PERSONAL

Date of birth : 21st April 1986
Citizenship : Vietnam
Languages : English (fluent, IELTS : 7.5, TOEIC : 900), French (professional, DELF B2), Vietnamese (native)

RESEARCH INTERESTS

Data Privacy (differential privacy, location privacy)
Social Network Analysis
Game Theory
Cryptography

EDUCATION

University of Lorraine Oct 2013 - Oct 2016
PhD in Computer Science
INRIA/LORIA Nancy, France
PhD thesis : Social Graph Anonymization

Pohang University of Science and Technology (POSTECH) Aug 2011 - Jun 2013
Master of Science in IT Convergence Engineering (ITCE), POSTECH, Pohang, Korea
GPA : 4.09
Master thesis : Linear Counting Queries under Differential Privacy : A Comparative Study

Hanoi University of Science and Technology (HUST) Aug 2004 - Jun 2009
Franco-Vietnamese Program for Training Excellent Students (PFIEV)
GPA : 8.48 /10
Addendum of Engineer Certificate co-issued by HUST and INP Grenoble, France
Bachelor thesis : Building Self-care Tool for UPnP DM Devices Using Web 2.0

AWARDS

Best Paper Award at FPS 2014, Montreal, Canada 2014
INRIA Scholarship 2013 - 2016
POSTECH Scholarship 2011 - 2013
Ministry of Education and Training Scholarship for Excellent Students 2004 - 2009
Second Prize in National Mathematics Competition for gifted students 2004
Third Prize in National Informatics Competition for gifted students 2003

JOURNAL ARTICLES

Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Network Structure Release under Differential Privacy*. Transactions on Data Privacy, 2016. (under 1st revision)
Hiep H. Nguyen, Jong Kim, Yoonho Kim. *Differential Privacy in Practice*. Journal of Computing Science and Engineering, 2013.

CONFERENCE ARTICLES

Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Differentially Private Publication of Social Graphs at Linear Cost*. ASONAM 2015, Paris, France.
Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Anonymizing Social Graphs via Uncertainty Semantics*. ASIACCS 2015, Singapore.

Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *A Maximum Variance Approach for Graph Anonymization*. FPS 2014, Montreal, Canada (**Best Paper Award**).

Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Enforcing Privacy in Decentralized Mobile Social Networks*. ESSoS Doctoral Symposium 2014, Munich, Germany.

Hiep H. Nguyen, Ahmed Mehaoua, James Won-Ki Hong. *Secure medical tele-consultation based on voice authentication and realtime audio/video encryption*. Ubi-HealthTech 2013, Jinhua, China.

WORKSHOP PAPERS

Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Community Detection under Differential Privacy* WPES 2016. (under review).

Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Private Link Exchange over Social Graphs* WPES 2016. (under review).

Hiep H. Nguyen, Dongju Chae, Jangwoo Kim, Jong Kim. *MeshCloak : A Map-Based Location Privacy Model for Continuous Query in Mobile Services*. WAIS 2013, Nagasaki, Japan.

RESEARCH EXPERIENCE

PESTO Team, LORIA/INRIA Nancy Oct 2013 - Oct 2016
conducted research on Graph Anonymization.

High Performance Computing Lab (HPC) Aug 2011 - Jun 2013
conducted research on Differential Privacy.
conducted research on Location Privacy.
developed a solution for Secure Medical Tele-consultation.

INDUSTRY EXPERIENCE

Viettel R&D (Viettel Group) Feb 2011 - Jul 2011
conducted research on Radar data fusion and applications.

Viettel Technologies. (Viettel Group) Oct 2009 - Jan 2011
developed the SMS Banking System for Mekong Housing Bank (Vietnam).
designed the XPAY electronic-payment system (Viettel).
participated in the appraisal team of CMMi Level 3 for Viettel Technologies.

Orange Labs (Grenoble, France) Jan 2009 - May 2009
4-month internship
built a self-care tool for testing Universal Plug and Play Device Management profile (UPnP DM) by using Web 2.0 (Dojo, Comet), OSGi.

TECHNICAL SKILLS

Programming languages	C/C++, Java, Python, MATLAB, C#
Mobile OSes	Android
Frameworks	.NET, J2EE, Spring, Hibernate, Struts, Web-service, OSGi
Methodologies	CMMi DEV v1.2, UML, Design Patterns.
Databases	Oracle, MS SQL Server, MySQL, PostgreSQL.
IDEs	Eclipse, Visual Studio.

COURSES

EECE700A	Data Mining
ITCE 605	Network and Service Management
ITCE701B	Convergence Using Smart Phones and Devices
ITCE701C	Dependable Computing
EECE515	Machine Learning
ITCE500	Introduction to IT Convergence Engineering
ITCE600	Applications of IT Convergence Engineering
EMMA 22	Heat conduction : From macro to micro
EMMA 07	Introduction aux simulations numériques
Fi4 223	Résidentiel DCCE 2eme A (innovation pédagogique)

EXTRA-CURRICULAR ACTIVITIES

Association of Vietnamese Students in Nancy-Metz, France,
Board of Execution, in charge of sport activities.

2014 - 2016

REFERENCES

Dr. Michaël Rusinowitch

(PhD advisor)

Directeur de recherche (Research Director)

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Dr. Abdessamad Imine

(PhD co-advisor)

Maître de conférences (Associate Professor)

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Dr. Jong Kim

(Master advisor)

Director, Center for Mobile Embedded Software Technology

Professor, Dept. of Computer Science and Engineering

Pohang University of Science and Technology (POSTECH), Pohang, Korea

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Dr. Jangwoo Kim

(Master co-advisor)

Associate Professor, Dept. of Computer Science and Engineering

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