

Huu-Hiep NGUYEN

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PERSONAL

Date of birth : April 21, 1986
Citizenship : Vietnam
Languages : English (fluent, IELTS : 7.5 (2013), TOEIC : 875 (2018)), French (professional, DELF B2 (2008)), Vietnamese (native)

RESEARCH INTERESTS

Data Mining
Data Privacy
Machine Learning
Game Theory

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. *Boosting Frequent Itemset Mining via Early Stopping Intersections* (submitted).
Hiep H. Nguyen. *Privacy-Preserving Mechanisms for k-Modes Clustering*. Computers & Security, 2018.
Hiep H. Nguyen. *Clustering Categorical Data using Community Detection Techniques*. Computational Intelligence and Neuroscience, 2017.
Hiep H. Nguyen, Abdessamad Imine, Michael Rusinowitch. *Network Structure Release under Differential Privacy*. Transactions on Data Privacy, 2016.
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. <i>Differentially Private Publication of Social Graphs at Linear Cost</i> . ASONAM 2015, Paris, France.	
	Hiep H. Nguyen , Abdessamad Imine, Michael Rusinowitch. <i>Anonymizing Social Graphs via Uncertainty Semantics</i> . ASIACCS 2015, Singapore.	
	Hiep H. Nguyen , Abdessamad Imine, Michael Rusinowitch. <i>A Maximum Variance Approach for Graph Anonymization</i> . FPS 2014, Montreal, Canada (Best Paper Award).	
	Hiep H. Nguyen , Abdessamad Imine, Michael Rusinowitch. <i>Enforcing Privacy in Decentralized Mobile Social Networks</i> . ESSoS Doctoral Symposium 2014, Munich, Germany.	
	Hiep H. Nguyen , Ahmed Mehaoua, James Won-Ki Hong. <i>Secure medical tele-consultation based on voice authentication and realtime audio/video encryption</i> . UbiHealthTech 2013, Jinhua, China.	
WORKSHOP PAPERS	Hiep H. Nguyen , Abdessamad Imine, Michael Rusinowitch. <i>Community Detection under Differential Privacy</i> . WPES 2016, Vienna, Austria..	
	Hiep H. Nguyen , Dongju Chae, Jangwoo Kim, Jong Kim. <i>MeshCloak : A Map-Based Location Privacy Model for Continuous Query in Mobile Services</i> . WAIS 2013, Nagasaki, Japan.	
RESEARCH EXPERIENCE	Duy Tan IRD, Da Nang	Jan 2017 - present conducted research on Data Mining, Data Privacy and Machine Learning.
	PESTO Team, LORIA/INRIA Nancy	Oct 2013 - Oct 2016 conducted research on Graph Anonymization.
	High Performance Computing Lab (HPC), POSTECH	Aug 2011 - Jun 2013 conducted research on Differential Privacy. conducted research on Location Privacy. conducted research on 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 AI packages Mobile OSes Methodologies Databases	C/C++, Java, Python, C#, MATLAB Scikit-learn, TensorFlow, Keras, OpenCV Android CMMi DEV v1.2, UML, Design Patterns. Oracle, MS SQL Server, MySQL, PostgreSQL.

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,* 2014 - 2016
Executive Board, in charge of sport activities.

REFERENCES **Dr. Michaël Rusinowitch**
(PhD advisor)
Directeur de recherche (Research Director)
A209 LORIA/INRIA Nancy - Grand Est 615 rue du Jardin Botanique
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Dr. Abdessamad Imine
(PhD co-advisor)
Maître de conférences (Associate Professor)
A205 LORIA/INRIA Nancy - Grand Est 615 rue du Jardin Botanique
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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 Electrical and Computer Engineering
Seoul National University, Seoul, Korea
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