Quang-Trung Luu

⚲ 7 route de Villejust, 91620 Nozay, France   ☎ +33 (0) 7 58 39 14 46

@ quang-trung.luu@u-psud.fr   ✂ luuquangtrung.github.io   ⌗ luuquangtrung   ☐ luuquangtrung

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Education

Ph.D in Computer Science and Telecoms, *University of Paris-Sud (Paris XI)*   **Paris, France**
Thesis: Dynamic Control and Optimization of Wireless Virtual Networks   *2017-2020*
Advisors: Prof. M. Kieffer, Prof. A. Mouradian (Univ. Paris-Sud), and Dr. S. Kerboeuf (Bell Labs)

M.Sc. in Multimedia Networking , *Télécom ParisTech*   **Paris, France**
Thesis: Optimization of 802.11-based Wireless Networks   *2016-2017*
Advisors: Prof. A. Busson and Prof. I. Guérin-Lassous (Inria and Univ. Lyon 1)

Experience

Research Engineer, *Nokia Bell Labs*   **Nozay, France**
Building resource provisioning algorithms for slice resource demands   *2017-2020*
Design efficient embedding and deployment methods for service function chains

Research Intern, *INRIA & Ecole Normale Supérieure*   **Lyon, France**
Optimizing Wi-Fi network performances using Markov chain-based algorithms   *04-09/2017*

Engineer, *Samsung Mobile R&D Center*   **Hanoi, Vietnam**
Analysis, design and development of Android and Tizen applications   *01-06/2015*

Skills

Programming: MATLAB, Java, C/C++, R, Python, Bash scripts, VBA
Tools: git, ns-3, CPLEX, Microsoft Office, LaTeX, InkScape
Libraries: matplotlib, NumPy, TensorFlow, Pandas, scikit-learn, NetworkX
Languages: Vietnamese (mother tongue), English (fluent), French (working proficiency)

Honors, Awards, Grants

Nokia France Student Award (finalist, final results will be announced on 2 July), by Nokia France   *05/2019*
Student Travel Grant, by IEEE Communications Society   *12/2018*
CIFRE Fellowship, by French National Association for Technical Research   *2017-2020*
Doctoral Fellowship, by the Doctoral School STIC of the University of Paris-Saclay   *2017–2020*
International Master's Scholarship, by the University of Paris-Saclay   *2015-2016*
Student Research Prize (first runner-up) by Hanoi University of Science and Technology   *05/2013*

Publications

Summary (full publication list can be found at luuquangtrung.github.io):

Filed: **1** *patent* (with Nokia Bell Labs)
Published: **4** *conference/workshop* papers, **1** *invited* paper, **1** *poster*
In progress: **1** *preprint* (to be submitted to a journal).

Patents

(Pa1) S. Kerboeuf, Q.-T. Luu, M. Kieffer, and A. Mouradian, "Slice Resource Provisioning Method Addressing Multiple Slice Demands with SLA Guarantee," *Nokia Bell Labs Patent Application* (accepted and filed on December 10, 2018)

Preprints

(J1) Q.-T. Luu, M. Kieffer, A. Mouradian, S. Kerboeuf, "Coverage-Aware Resource Provisioning Method for Network Slicing," to be submitted to *IEEE Transactions on Network and Service Management*, 2019

Conference Papers

(C1) Q.-T. Luu, M. Kieffer, A. Mouradian, S. Kerboeuf, "Aggregated Resource Provisioning for Virtual Network Slices," in *Proc. IEEE Global Communications Conference (Globecom)*, 2018

(C2) Q.-T. Luu, S. Koulouridis, A. Diet, Y. Le Bihan, and L. Pichon, "Investigation of Inductive and Radiating Energy Harvesting for an Implanted Biotelemetry Antenna," in *Proc. The 11th European Conference on Antennas and Propagation (EuCAP)*, Paris, Mar. 2017

(C3) A. Diet, S. Koulouridis, Y. Le Bihan, Q.-T. Luu, O. Meyer, L. Pichon, and M. Biancheri-Astier, "Sub-GHz Inductive Power Transmission from Helical Coils for Implanted Medical Devices," in *Proc. IEEE International Workshop on Antenna Technology (iWAT)*, Athens, Greece, Mar. 2017

(C4) Q.-T. Luu, D.-H. Tran, B.-H. Nguyen, Y. Vu-Van, and C.-M. Ta, "Design of Resonators for Coupled Magnetic Resonance based Wireless Power Transmission Systems," in *Proc. The 2nd Vietnam Conference on Control and Automation (VCCA)*, Da Nang, Nov. 2013, pp. 724-729

Invited Papers

(I1) Q-T. Luu, S. Koulouridis, A. Diet, Y. Le Bihan, and L. Pichon, "Inductive and Radiating Energy Harvesting for an Implanted Biotelemetry Antenna," in *IEEE International Workshop on Antenna Technology (iWAT)*, Athens, Greece, Mar. 2017

Posters

(Po1) A. Diet, S. Koulouridis, Y. Le Bihan, Q.-T. Luu, O. Meyer, L. Pichon, M. Biancheri-Astier, "RF Link for Implanted Medical Devices (IMDs) and Sub-GHz Inductive Power Transmission," in *Journées d'Etude sur la Télésanté (Jet-San)*, 6ème édition, Bourges, France, May 2017.

References

Prof. Michel Kieffer
L2S laboratory, University of Paris-Sud
3 rue Joliot Curie, 91190 Gif-sur-Yvette
michel.kieffer@lss.supelec.fr

Dr. Sylvaine Kerboeuf
Senior Researcher, Nokia Bell Labs
7 route de Villejust, 91620 Nozay
sylvaine.kerboeuf@nokia-bell-labs.com