

Vuong V. Trinh

vanvuong.trinh@gmail.com

<http://trinhvv.github.io>

EXPERIENCE	Doctoral Candidate, Commissariat à l'énergie atomique et aux énergies alternatives 2014–2017 Supervisors: M. Mazen Alamir and M. Patrick Bonnay , funded by the project ANR CryoGreen . <ul style="list-style-type: none">• Modelling and control of warm compression stations and helium cryogenic refrigerators,• Develop explicit constrained control via nonlinear regression and reduced-set support vector machines,• Develop hierarchical control coordination via derivative-free optimization and fixed-point iterations,• Deploy Matlab, C, Python, Latex, Inkscape and involve in few cryogenic plant operations. Research Intern, Grenoble Images Parole Signal Automatique laboratoire Jan-May 2014 Supervisors: M. Ioan D. Landau and M. Luc Dugard , working on active vibration control. <ul style="list-style-type: none">• Perform parametric identification and develop reduced-order robust feedforward-feedback regulators,• Deploy Matlab and xPC Target for experimental evaluation over two suspension benchmarks,• Laboratory instructor and poster presentator for the adaptive control course at EECI IGSC 2016. Industrial Intern, Yazaki Haiphong Vietnam Apr 2011 <ul style="list-style-type: none">• Design, set up and program PLC / HMI / inverter for conveyors in automotive wires production,• Analyze technical specifications, present solution, train operators, compose reports and bill-of-materials,• Deploy MS Office, AutoCAD, Step7 and WinCC.
EDUCATION	Ph.D. Process Control & Optimization, Communauté Université Grenoble Alpes (dropout) 2018 M.S. Automation & Control Engineering, Université Joseph Fourier de Grenoble 2014 Mention: good GPA: 15/20 Rank: 03/20 B.S. Automation & Control Engineering, Hanoi University of Science and Technology 2012 Mention: good GPA: 3.17/4.00 Talented Engineer's Program (ELITECH)
VALORISATION	TUM Lean Six Sigma Yellow Belt Certification, edX Technische Universität München Sep 2018 Professional program on quantitative productivity and quality production management. CS50's Introduction to Computer Science, edX Harvard University Feb 2018 Introductory project-based course on Linux, Git, Bash, C, Python, SQL, JS and Heroku cloud platform. <ul style="list-style-type: none">• Develop <trading-analysis-bot> and <cryptoasset-analytics> for cryptoasset and blockchain analytics.
AWARDS	Excellence Master Fellowship, PERSYVAL-Lab 2013 Vallet Scholarship for excellent academic performance, Rencontres du Vietnam 2008 Double Prize in Physics (1st) and Maths (cons), Vietnam Mathematics & Youth Magazine 2005
SERVICES	Part-time Researcher, Dong A University Research Institute Div. Artificial Intelligence since 2017 Organization Committee, GIANT-Grenoble Junior Scientist & Industry Annual Meeting Mar 2016
MISC	Publications 4 conference papers (3 first-author + 1 co-author) & 1 journal paper (co-author) Languages Vietnamese (<i>native</i>) English (<i>fluent</i> : IELTS 6.5) French (<i>basic</i>) Background applied optimization process control machine learning industrial automation