Vuong V. Trinh

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http://trinhvv.github.io

EXPERIENCE	 Doctoral Candidate, Commissariat à l'énergie atomique et aux énergies alternatives Supervised by Mazen Alamir and Patrick Bonnay on cryogenics, funded by CRYOGREEN Develop constrained explicit nonlinear control schemes using robust regression and kerne Develop constrained hierarchical distributed control schemes based on numerical optimizative free and bundle methods) leveraging fixed-point iterations 	
		al validation
EDUCATION	Ph.D. Control & Optimization, Communauté Université Grenoble Alpes	(exp.) 2018
	M.S. Automation & Control, Université Joseph Fourier & Institut Polytechnique de Greno	ble 2014
	B.S. Automation & Control (ELITECH), Hanoi University of Science and Technology	2012
SERVICES	 Adjunct Researcher, Dong A University Research Institute Collaborate with Phuc K. Tran, Tuan A. Mai and Huong T. Truong on anomaly detection Collaborate with Hyeong Joon Ahn and Canh D. Nguyen on motion control of linear mo 	
	Organization Team, Junior Scientist and Industry annual meeting	Mar 2016
AWARDS	Excellence master fellowship, PERSYVAL-Lab	2013
	Vallet scholarship, Rencontres du Vietnam	2008
	Double prize in physics (1st) and maths (cons), Vietnam Mathematics & Youth Magazine	2005
VALORISATION	MOOC HarvardX CS50, edX (verified cert.)	Feb 2018
	Project-based Research Week, SEMIE	Oct 2016
COMPETENCES	Languages Vietnamese (<i>native</i>), English (<i>limited working proficiency</i> , IELTS 6.5), French (Techniques Matlab, C/C++, Python, CPLEX, git, heroku, LATEX, Inkscape, Siemens S7, ST	
Dunia	[1] M. Alamin D. Dannan F. Danna and V. V. Trink. Fined mainth and biananhinal MDC and	41

PUBLICATIONS

- [1] M. Alamir, P. Bonnay, F. Bonne and V. V. Trinh. Fixed-point based hierarchical MPC control design for a cryogenic refrigerator. *Journal of Process Control*, 58:117–130, 2017. doi: 10.1016/j.jprocont. 2017.09.006
- [2] V. V. Trinh, M. Alamir, P. Bonnay and F. Bonne. Explicit model predictive control via nonlinear piecewise approximations. In: *Proc. 10th IFAC Symposium on Nonlinear Control Systems*, Monterey, CA, USA, 2016. doi: 10.1016/j.ifacol.2016.10.173
- [3] M. Alamir, V. V. Trinh and P. Bonnay. On the stabilization of fixed-point iterations arising in hierarchical control design. In: *Proc. 20th IFAC World Congress*, Toulouse, France, 2017. doi: 10.1016/j.ifacol.2017.08.1363