

CURRICULUM VITAE

PERSONAL DATA

Fullname: Nguyễn Công Phương
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EDUCATION

- 09/2002 - 04/2009: Hanoi University of Technology (renamed as Hanoi University of Science and Technology [HUST] since 2011) and Institut National Polytechnique de Grenoble (INPG) - France
Doctoral scholarship from Agence Universitaire de la Francophonie.
PhD thesis' subject "**Design and Realisation of an Intelligent and Autonomous Sound Sensor**"
- 09/1999 - 11/2001: HUST and INPG
Domain: The Instrumentation and Systems of Control
- 08 - 11/2001: Staged 4 months in the CLIPS/IMAG laboratory at Grenoble (France).
Final thesis: "**Improving Quality of Speech in Reverberated Environments**"
- 09/1994 - 06/1999: HUST
Domain: Instrumentation and control obtain the engineering degree.
My dissertation: "**Design and Realisation of a DSP based-Noise Measurement Device**"

CAREER

- Since 9/2010: Lecturer of Advanced Program of HUST - A special program which recruits the most elite students of HUST, and in which every educational activities must be totally in English.
In charge of two subjects in English: Linear Circuit and Engineering Electromagnetics.
- Since 11/ 2001: Researcher at MICA International Research Institute (a research institute of HUST)
Domain: Signal processing.
Some research projects in MICA:
 - Member of the state project (R&D) “Research, design, and development of intelligent automatic devices and systems using human-machine interaction based on speech command“, project code: KC.03.15/06-10
 - Head of the Ministry of Education and Training’s project “Research, design and implementation of a telemonitoring system based on sound analysis”
 - Head of the HUST’s project “Design and realisation of an interface between signal and computer using USB protocol”
 - Head of the HUST’s project “Building a software simulating operations of ADC and DAC”
- Since 09/1999: Lecturer of Department of Instrumentation and Industrial Informatics, School of Electrical Engineering - Hanoi University of Science and Technology.
In charge of two subjects: Circuit Analysis, and Engineering Electromagnetics for regular students of HUST
Supervisors of about 40 final stages of regular students of HUST

PUBLICATIONS

1. Dan Istrate, Michel Vacher, Eric Castelli, **Cong-Phuong Nguyen**. *Sound Processing for Health and Smart Home*. Toward a Human – Friendly Assistive Environment, Volume 14 Assistive Technology Research Series, edited by D. Zhang and M. Mokhtari, IOS Press Amsterdam 9/2004, ISBN: 1-58603-457-X.
2. **Nguyen Cong Phuong**, Pham Thi Ngoc Yen, Castelli Eric. *A construction of a speech/nonspeech discriminator*. 3rd International Conference in Computer Science - Research, Innovation & Vision for the Future, 02/2005, Cần Thơ, Việt Nam.
3. **Nguyen C.P.**, Pham T. N.Y., Castelli E. *Toward A Sound Analysis System for Telemedicine*. Fuzzy Systems and Knowledge Discovery, Lecture Notes in Artificial

Intelligence, vol. 3614, edited by J. G. Carbonell and J. Siekmann, Springer – Verlag Berlin 2005, ISSN 0302-9743.

4. **C. P. Nguyen**, T. N. Y. Pham, E. Castelli. *First Steps to an Audio Ontology-Based Classifier for Telemedicine*. Advanced Data Mining and Applications, Lecture Notes in Artificial Intelligence, vol. 4093, edited by J. G. Carbonell and J. Siekmann, Springer – Verlag Berlin 2006, ISSN 0302-9743.
5. **C. P. Nguyen**, T. N. Y. Pham, E. Castelli. *Ontology-Based Classifier for Audio Scenes in Telemedicine*. Intelligent Data Engineering and Automated Learning, Lecture Notes in Computer Science, edited by E. Corchado et al., Springer – Verlag Berlin 2006, ISSN 0302-9743.
6. **Nguyen Cong Phuong**, Tran Do Dat. *Sound classification for event detection – Application into medical telemonitoring*. The International Conference on Computing, Management and Telecommunications (ComManTel 2013), Hochiminh City, Vietnam, 2013.