CURRICULUM VITAE

PERSONAL INFORMATION

- Name : **Vu Van Nguyen**
- Gender : Male
- Date of birth : 04/05/1977
- Place of birth : Quang Nam, Vietnam
- Citizenship : Vietnamese
- ID/passport number : B5350452
- Academic title : Lecturer
- Affiliation : University of Science, VNU – HCMC
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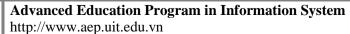## EDUCATION

Doctor of Philosophy   12/2010
University of Southern California, Los Angeles, CA, USA

Master of Science   5/2006
University of Southern California, Los Angeles, CA, USA

Bachelor of Science   9/1999
University of Science, Vietnam National University – Hochiminh, Vietnam

PROFESSIONAL EXPERIENCE

2011 – now   Lecturer, Faculty of Information Technology
                    University of Science, Vietnam National University – Hochiminh city
                    Vietnam

2006 – 2010   Research Assistant and Teaching Assistant
                    Center for Systems and Software Engineering
                    University of Southern California, Los Angeles
                    USA

2009 – 2010	Student Intern IBM Los Angeles, USA
2000 – 2004	Engineering Manager/Project Manager CSC Vietnam Vietnam
1999 – 2000	Software Engineer Paragon Solutions Vietnam (now CSC Vietnam) Vietnam

DIPLOMAS

- Sun Certified Programmer for Java 2 Platform from Sun Microsystems, 2005

COURSES TAUGHT

- CTT534 – User Interface Design, Faculty of Information Technology, University of Science, VNU – HCMC

- CTT521 – Special Topics in Software Engineering, Faculty of Information Technology, University of Science, VNU – HCMC

- CTT300 – Elements of Software Engineering, Faculty of Information Technology, University of Science, VNU – HCMC

- ITSE4761 – Software Engineering II, Troy University and Saigon Technology University

- CS590 – Directed Research, Computer Science Department, University of Southern California

- CS510 – Software Management and Economics, Computer Science Department, University of Southern California

RESEARCH INTERESTS

- **Topic 1: Software Estimation**
  Study approaches to measuring and estimating software size, effort, time to develop software projects. This topic also involves research on factors affecting software cost and productivity of software projects.

- **Topic 2: Software Maintenance**
  Study factors affecting software maintenance effectiveness, cost, and productivity

- **Topic 3: Software Processes**
  Study approaches to analyzing program source code to support automatic defect detection, testing coverage, program verification and validation.

SELECTED PUBLICATIONS

- Tran, Hai T., Hai H. Dang, Kha N. Do, Thu D. Tran, and Vu Nguyen. "An interactive Web-based IDE towards teaching and learning in programming courses." In *Teaching, Assessment and Learning for Engineering (TALE), 2013 IEEE International Conference on*, pp. 439-444. IEEE, 2013.

- Ye Yang, Lang Xie, Zhimin He, Qi Li, Vu Nguyen, Barry Boehm, Ricardo Valerdi, "Analyzing and handling local bias for calibrating parametric cost estimation models", *Journal of Information and Software Technology,* 2013, ISSN: 0950-5849

- Vu Nguyen, Barry W. Boehm, Phongphan Danphitsanuphan. A Controlled Experiment in Assessing and Estimating Software Maintenance Tasks. *Journal of Information and Software Technology.* pp. 682-691. ISSN: 0950-5849, 6/2011

- Vu Nguyen, LiGou Huang, Barry Boehm, "An Analysis of Trends in Productivity and Cost Drivers over Years", 7th International Conference on Predictive Models in Software Engineering (PROMISE 2011), Sept 2011

- Ye Yang, Lang Xie, Zhimin He, Qi Li, Vu Nguyen, Barry Boehm and Ricardo Valerdi, "Local Bias and its Impacts on the Performance of Parametric Estimation Models", PROMISE 2011, Sept 2011

- Vu Nguyen, Barry W. Boehm, Phongphan Danphitsanuphan, "A Controlled Experiment in Assessing and Estimating Software Maintenance Tasks." Journal of Information and Software Technology, June 2011 (ScienceDirect).

- Vu Nguyen, "Improved Size and Effort Estimation Models for Software Maintenance", Proceedings of the Twenty-sixth IEEE International Conference on Software Maintenance, Doctorial Symposium, Romania, 2010

- Dan Port, Tim Menzies, Vu Nguyen, "Studies of Confidence in Software Cost Estimation Research Based on the Criterions MMRE and PRED." Submitted to Journal of Empirical Software Engineering.

- Vu Nguyen, Barry W. Boehm, Phongphan Danphitsanuphan, "Assessing and Estimating Corrective, Enhancive, and Reductive Maintenance Tasks: A Controlled Experiment," Proceedings of Asia-Pacific Software Engineering Conference (APSEC 2009), Dec 2009.

- Vu Nguyen, Bert Steece, Barry W. Boehm, "A Constrained Regression Technique for COCOMO Calibration," Proceedings of the Second ACM-IEEE International Symposium on Empirical Software Engineering and Measurement (ESEM), Oct 2008

OTHER ACTIVITIES

Member of Program Committees of COCOMO 2008, 2009, 2010; APSEC 2011,   2008-2011
APSEC 2012

Member of Organizing Committee of APSEC 2011, PACIS 2012   2011, 2012