

# KIEN T. NGUYEN

Graduate Student  
Department of Mechanical and Civil Engineering  
Division of Engineering and Applied Science  
California Institute of Technology

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## EDUCATION

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- PhD     **California Institute of Technology, USA.**  
Civil Engineering, 2014.
- M.E.     **Ho Chi Minh City University of Technology, Vietnam National University – HCMC,**  
Vietnam.  
Geotechnical Engineering, 2012.  
Dissertation: Study on capacity of single pile subjected to surrounding soil's settlement.
- B.E.     **Ho Chi Minh City University of Technology, Vietnam National University – HCMC,**  
Vietnam.  
Honor Program in Civil Engineering, 2010.

## EMPLOYMENT

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**Geotechnical Engineering Division, Department of Civil Engineering, Ho Chi Minh City University of Technology, Vietnam National University – HCMC**

**Lecturer, 2011 – 2014**

- Teaching Engineering Geology, Soil mechanics, Foundation engineering.
- Teaching students Geotechnical experiments and Foundation design projects.
- Guiding students through internships.

**Assistant Lecturer, 2010 – 2011**

- Guided students Geotechnical experiments and Foundation design projects.
- Prepared lectures on Engineering Geology, Soil mechanics, Foundation engineering.

**Research Center for Technology and Industrial Equipment**

**Collaborator, 2011 – 2014**

- Conducting geotechnical experiments.
- Designing superstructures and substructures of high – rise buildings.

## RESEARCH INTEREST

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Numerical modeling

Soil – structure interaction

Soil dynamics

In – situ and laboratory soil testing

Soil liquefaction

## RESEARCH EXPERIENCE

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**Ho Chi Minh City University of Technology, Vietnam National University – HCMC**

**Research assistant**

Project: *Study on capacity of bore cast in situ piles that are under the influence of surcharge in Ho Chi Minh City weak soil condition.*

Scientific Research Project for Graduate Student, 2011 – 2012.

**Student Research Group**

Project: *Application of 3D materials in housing construction*

Scientific Research Fund for Student, 2009 – 2010.

**Student Research Group**

Project: *Bamboos' properties and application in Vietnamese construction*

Scientific Research Fund for Student, 2008 – 2009.

## **PUBLICATIONS**

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### **Refereed Journal**

Kien Trung NGUYEN and Phan VO, *Study on capacity of single piles subjected to surrounding soil's settlement*, Journal of Science and Technology, Vietnam Academy of Science and Technology, Vol.51, No. 2B, 2013.

Kien Trung NGUYEN and Phan VO, *Study on capacity of bore cast in situ piles that are under the influence of surcharge in Ho Chi Minh City weak soil condition*, Journal of Science and Technology, Southern Institute of Water Resources Research, No. 14, 2012.

### **Conference Presentation**

Kien Trung NGUYEN and Phan VO, *Study on capacity of single piles subjected to surrounding soil's settlement*, The 5<sup>th</sup> ASEAN Civil Engineering Conference (ACEC), Ho Chi Minh City, Vietnam, 25 – 26 October, 2012.

## **HONORS AND AWARDS**

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### **Selected academic honors**

Exemplary Young Lecturer of Ho Chi Minh City, 2012.

Excellent Ranking and coming out as the Top Graduate Student of the graduate list, 2012.

Exemplary Student of District 2, 2011.

Certificate of Merit for having outstanding academic achievement and topping the graduate list, 2010.

Certificate of Merit for title “Comprehensive Student” (very good academic performance and active participation in social activities), 2009.

Kova Award for Excellent Students in Study and Scientific Research, 2009.

The Consolation Prize in the National Olympiad of Mechanics, 2009.

The 3<sup>rd</sup> Prize for Team in the National Olympiad of Mechanics, 2008.

The 2<sup>nd</sup> Prize in the 10<sup>th</sup> competition “Scientific Research for Students – Eureka”, 2008.

Certificate of Merit for title “The Most outstanding Student of the Faculty”, 2007.

### **Scholarships**

Vietnam Education Foundation (VEF) Fellowship for studying PhD. Program in U.S, 2013.

Pony Chung Foundation Scholarship for Excellent Graduate Students, 2010 and 2011.

Toshiba Scholarship for Excellent Graduate Students, 2010 and 2011.

National Scholarship for Excellent Undergraduate Students, 2005 – 2010.

Lawrence S.Ting Scholarship for Excellent Undergraduate Students, 2008 and 2009.

Pony Chung Foundation Scholarship for Excellent Undergraduate Students, 2008.

Vallet Scholarship for Excellent Undergraduate Students, 2008.

## **COMPUTER SKILLS**

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**Languages:** Visual Basic, MatLab, C++ ...

**Applications:** Microsoft Office, AutoCad, Mathematica ...

**Structural Software:** Plaxis, Safe, Etabs, Sap ...