



PHASUTHORN PHIWPHONG

Email: phasuthorn.ph@gmail.com
Phone: +66844113348

PERSONAL PROFILE

I'm a master graduate in Structural Engineering at Asian Institute of Technology (AIT), Thailand who has a basic understanding in Civil and Infrastructure engineering, in addition, has a background in Wind and Earthquake design, has experience working as a staff engineer on collecting storm data "PABUK in 2019", a staff assistant at AIT-TU wind tunnel, THAILAND during master's studies, an internship of 3 months as site engineering at Bouygues-Thai Ltd during bachelor program. My areas of competence are structural dynamics, wind & earthquake and structural numerical modelling such as finite element methods in engineering.

HIGHLIGHTED SKILLS

Software Proficiency

- Microsoft Word, Excel, PowerPoint
- AutoCAD
- ETABS
- MATLAB
- Rhino
- Sketch Up

Language Proficiency

- English, Degree of Master in international program at AIT

Personal attributes

- Good communication, planning and organizational skills
- Able to work individually as well as being a team player
- Punctual and self motivated

PREVIOUS EDUCATION

MASTER OF ENGINEERING (Structural Engineering)

SCHOOL OF ENGINEERING AND TECHNOLOGY, ASIA INSTITUTE OF TECHNOLOGY (AIT), THAILAND, 2017-2020

- Thesis Topic: Active Control of Aerodynamic Flow Around Structures by Using Plasma Actuators
- Advisor: Prof. Pennung Warnitchai

BACHELOR OF ENGINEERING (Civil Engineering)

FACULTY OF ENGINEERING, KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG (KMITL), THAILAND, 2016

- Second Class Honors graduation with the GPA of 3.25
- Research Topic: The Optimized Position and Size of The Outrigger and Belt Wall System for a Building 52 Floors From PARK 24 PROJECT
- Advisor: Asst.Prof.Dr. Arthit Petchsasithon

ORGANIZATIONAL EXPERIENCES

Research Associate (Structural department-AIT, Thailand)

JUNE 2020

- Developing further research topics regarding to plasma actuator for structure
- Advisor for Master's degree student (plasma actuator for structure research topics)

STAFF ENGINEER (Collecting storm data PABUK in 2019", Thailand)

JAN 2019

- Using the anemometer to collecting the wind speed data
- Analyzed the wind force effect

STAFF ASSISTANT (AIT-TU Wind Tunnel Testing, Thailand)

MASTER'S STUDIES

- High Frequency Force Balance Testing and High Frequency Pressure Integration Testing
- Performed literature review on the wind effect on structure
- Analyzed the force spectrum and response on structure

STAFF ENGINEER (Partial Front-End Coding of CSI PERFORM-3D Program, AIT Solution, Thailand)

SEMESTER END INTERNSHIP AT AIT SOLUTIONS

- Front-end coding using Microsoft Visual Basic for CSI Perform-3D program
- Front-end app testing for bugs

INTERNSHIP (Site Engineer in BOUYGUES-THAI LTD, Park24 Project, Thailand)

JUNE-JULY 2016

- Construction inspector, checking list and calculation of concrete pouring work
- Bar cut list of temporary elevator, column, beam, floor and shear wall
- Learned and followed the process of each work such as slipform, survey, facade, architect and basement

TEACHER ASSISTANT AND EXTRACURRICULAR ACTIVITIES

BACHELOR'S STUDING

- Engineering drawing in 2016
- Engineering Survey in 2016
- Staff of Engineering-Nurse camp KMUTL-MU in 2015
- Staff of Pre-Engineering camp 20 and Pre-Civil camp 4 in 2013

SEMINARS ATTENDED

7th Asia Conference on Earthquake Engineering (22nd-25th Nov 2018)

- 7th Asia Conference on Earthquake Engineering: Seismic Resilience for Safer Cities and Infrastructures (22-25 November 2018 at Bangkok, Thailand) organized by Asian Institute of Technology (AIT)

Performance Based Structural Design of Tall Building (1st-2nd Jun 2018)

- Performance Based Structural Design of Tall Buildings: Innovative design that goes beyond the codes (1-2 June 2018, Asian Institute of Technology)

Transmission Line Structures Under Tornadoes and Downbursts-Numerical Development, Testing and Code Implementation (5 July 2019)

- Transmission Line Structures Under Tornadoes and Downbursts-Numerical Development, Testing and Code Implementation: Innovative design of transmission line structure, numerical development and wind tunnel testing at the university of Western Ontario, Canada by Prof.Dr. Ashraf El Damatty, Wind EEE Research Institute (5 July 2019)

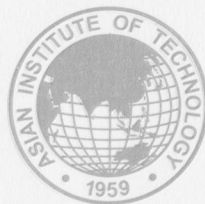
REFERENCES

Prof. Pennung Warnitchai (Master's Advisor)

Affiliation: Department Head Civil and Infrastructure Engineering at School of Engineering and Technology of Asian Institute of Technology, (AIT)

Email: pennung@ait.ac.th

Phone: (662) 524 5530



The Board of Trustees of the
Asian Institute of Technology

On the Recommendation of the Academic Senate
Has Conferred Upon

PHASUTHORN PHIWPHONG

The Degree of

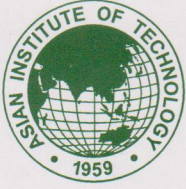
Master of Engineering

With all of its Privileges and Obligations

Given this twenty-second day of May 2020

Dr. Eden Woon
President of the Institute

Dr. Tongchat Hongladaromp
Chairman of the Board



Asian Institute of Technology

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P.O. Box 4,
Klong Luang
Pathumthani 12120
Thailand

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Paholyothin Highway
Klong Luang, Pathumthani 12120
Thailand

(For local calls,
dial 02 before the tel/fax nos.)
Tel : (66-2) 524-5034 - 36
Fax : (66-2) 524-6366
<http://www.ait.ac.th>

CERTIFICATION

TO WHOM IT MAY CONCERN:

This is to certify that **Mr. Phasuthorn Phiwphong**, a citizen of Thailand, was awarded the degree of Master of Engineering in Structural Engineering by the Asian Institute of Technology on 22 May 2020.

This further certifies that AIT, Southeast Asia's premier postgraduate institute of engineering and applied sciences, has students, staff and faculty coming from more than 40 countries. Given the wide range of cultural backgrounds, English is used as the medium of communication in all academic work and the official administrative language.

The Institute would be very grateful for any assistance extended to Mr. Phasuthorn Phiwphong.

Certification is Not Valid
Without the Institute's Dry Seal

Joan Carla C. Gonzales
Acting Director, Office of Student Affairs

22 May 2020



ASIAN INSTITUTE OF TECHNOLOGY

OFFICIAL TRANSCRIPT

Issue Date: 18 May, 2020

Name: Mr. Phasuthorn Phiwphong			Previous Degree(s)/Institution: B.Eng.	Year Awarded: 2016
Date of Birth: 14 December 1994	Country: Thailand		King Mongkut's Institute of Technology Ladkrabang, Thailand	
Registration No.: 119703	Date Admitted to AIT: 04 August 2017	Option: Thesis	Degree Awarded: Master of Engineering	
School: School of Engineering and Technology			Date of Graduation / Completion: 22 May 2020	
Department: Department of Civil & Infrastructure Engineering			Academic Program: Structural Engineering	
Notes:				

Course No.	Descriptive Course Title	Total Hours		Credits	Grade	GPA	Cumulative GPA
		Lab.	Lec.				
August Semester 2017							
CE72.11	Computer Methods of Structural Analysis	0	45	3.0	B		
CE72.21	Structural Dynamics	0	45	3.0	A		
CE72.41	Advanced Concrete Technology	0	45	3.0	B		
CE72.52	Advanced Concrete Structures	0	45	3.0	B		
EL00.15	English Composition II	0	25.5	0	P		
				12		3.25	3.25
January Semester 2018							
CE72.12	Finite Element Methods in Engineering	0	45	3.0	A		
CE72.22	Wind and Earthquake Engineering	0	45	3.0	C+		
CE72.32	Tall Buildings	0	45	3.0	B		
CE72.51	Advanced Steel Structures	0	45	3.0	B+		
EL00.19	Academic and Technical Writing	0	27	0	P		
				12		3.25	3.25
August Semester 2018							
CE60.992A	Special Study: Active Control of Aerodynamic Flow around Structures by Using Plasma Actuators			2.0			
January Semester 2019							
CE60.992A	Special Study: Active Control of Aerodynamic Flow around Structures by Using Plasma Actuators			2.0	B+		
				2		3.50	3.27
Coursework Credits Gained:				26.0			3.27
Thesis Credits Gained:				22.0			
Total Number of Credits Gained:				48.0			
Thesis Examination:					Passed		

Title of Thesis: ACTIVE CONTROL OF AERODYNAMIC FLOW AROUND STRUCTURES BY USING PLASMA ACTUATORS	Grade: Excellent
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Program Committee: <ol style="list-style-type: none"> 1. Prof. Pennung Warnitchai (Chairperson) 2. Dr. Punchet Thammarak (Member) 3. Dr. Raktipong Sahamitmongkol (Member) 4. Dr. Phongphaeth Pengvanich (External Expert) 5. Asst. Prof. Suvit Punnachaiya (External Expert) 	Official transcript not valid without signature and seal of the Institute Joan Carla C. Gonzales Acting Director, Office of Student Affairs
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**KING MONGKUT'S INSTITUTE OF TECHNOLOGY LADKRABANG
BANGKOK, THAILAND**

Faculty of Engineering

Name Mr. Phasuthorn PHIWPHONG

Date of Birth December 14, 1994

Date of Admission June 3, 2013

Degree Bachelor of Engineering (Second Class Honors)

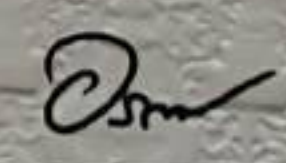
Major Civil Engineering

Student ID 56010830

Date of Graduation June 30, 2017

COURSE TITLE	CREDIT	GRADE	COURSE TITLE	CREDIT	GRADE
1st Semester, 1st Year, 2013-2014			2nd Semester, 3rd Year, 2015-2016		
01006001 ENGINEERING MATHEMATICS 1	3	B	01096047 HIGHWAY ENGINEERING LABORATORY	1	A
01006012 COMPUTER PROGRAMMING	3	B	01096048 FOUNDATION ENGINEERING AND DESIGN	4	B
01006015 ENGINEERING DRAWING	3	D+	01096052 REINFORCED CONCRETE DESIGN	4	B+
01006020 GENERAL PHYSICS 1	3	B	01096055 HIGHWAY ENGINEERING	3	A
01006021 GENERAL PHYSICS LABORATORY 1	1	B+	01096130 TRANSPORTATION ENGINEERING	3	C+
01006024 GENERAL CHEMISTRY	3	C+	90106002 HUMAN AND ENERGY	3	B+
01006027 PRE-ENGINEERING ACTIVITIES	0	S	90201026 ENGLISH FOR COMMUNICATION	3	B+
90201001 FOUNDATION ENGLISH 1	3	C+	<i>GPS : 3.35 GPA : 3.10</i>		
90305004 GEOGRAPHY AND HISTORY FOR TOURISM	3	C-	Summer Semester, 3rd Year, 2015-2016		
<i>GPS : 2.61 GPA : 2.61</i>			01006004 INDUSTRIAL TRAINING	0	S
2nd Semester, 1st Year, 2013-2014			<i>GPS : 0.00 GPA : 3.10</i>		
01006002 ENGINEERING MATHEMATICS 2	3	B	1st Semester, 4th Year, 2016-2017		
01006010 ENGINEERING MECHANICS	3	B	01006022 GENERAL PHYSICS 2	3	B+
01006011 ENGINEERING MATERIALS	3	B	01096005 SPECIAL PROJECT 1	3	A
01006023 GENERAL PHYSICS LABORATORY 2	1	C	01096124 STRUCTURAL DYNAMICS	3	B
01006025 GENERAL CHEMISTRY LABORATORY	1	C	01096125 PRESTRESSED CONCRETE DESIGN	3	C+
90201002 FOUNDATION ENGLISH 2	3	B	90101009 MATHEMATICS FOR CONSUMERS	3	A
<i>GPS : 2.85 GPA : 2.70</i>			90201016 ENGLISH FOR PROFESSIONAL COMMUNICATION	3	A
1st Semester, 2nd Year, 2014-2015			90306007 HAPPINESS SKILLS	3	B+
01006003 ENGINEERING MATHEMATICS 3	3	B	<i>GPS : 3.50 GPA : 3.16</i>		
01096012 STRENGTH OF MATERIALS	3	B+	2nd Semester, 4th Year, 2016-2017		
01096013 SURVEYING	3	B	01096006 SPECIAL PROJECT 2	3	A
01096031 CONCRETE TECHNOLOGY	3	A	01096044 HYDRAULICS ENGINEERING	3	B
01096050 CIVIL ENGINEERING MATERIALS AND TESTING	3	B	01096049 BUILDING DESIGN	3	A
01096051 CONSTRUCTION ENGINEERING AND MANAGEMENT	3	B+	01096054 TIMBER AND STEEL DESIGN	4	B+
90402010 INTRODUCTION TO THAI LAWS	3	A	01096144 FUNDAMENTALS OF ROCK MECHANICS	3	A
<i>GPS : 3.42 GPA : 2.97</i>			03456216 INDIVIDUAL STUDY	3	A
2nd Semester, 2nd Year, 2014-2015			90101003 STATISTICS IN DAILY LIFE	3	A
01096014 HYDRAULICS	3	C+	90306004 LOVING FAMILY	3	B+
01096015 HYDRAULICS LABORATORY	1	B	<i>GPS : 3.74 GPA : 3.25</i>		
01096016 SURVEYING CAMP	1	B+	Total number of credit earned: 160		
01096019 ADVANCED MATHEMATICS FOR CIVIL ENGINEERING	3	B+	Cumulative GPA: 3.25		
01096033 ROUTE SURVEY	3	B	<i>Transcript Closed</i>		
01096034 THEORY OF STRUCTURES	3	B+			
01096056 CONSTRUCTION TECHNOLOGY	3	C+			
90101002 MATHEMATICS IN DAILY LIFE	3	B			
<i>GPS : 3.02 GPA : 2.98</i>					
1st Semester, 3rd Year, 2015-2016					
01096035 STRUCTURAL ANALYSIS	3	B			
01096040 SOIL MECHANICS LABORATORY	1	B+			
01096046 HYDROLOGY	3	A			
01096053 SOIL MECHANICS	3	B			
01096159 ENVIRONMENTAL SYSTEMS AND MANAGEMENT	3	C+			
90403008 THAI SOCIETY AND CULTURE	3	A			
<i>GPS : 3.31 GPA : 3.04</i>					
<i>Continue next column</i>					

Date Issued: July 19, 2017 Time 10:23:10 am **Certified copy. Not valid without seal.**


 (Asst. Prof. Dr. Aranya Walairacht)
 Director, Office of the Registrar