**Nudthawud Homtong (Dew)**

**Email:** nudth@kku.ac.th **Tel:** +66942804848 **Date of Birth:** June 2nd, 1990 **Citizenship:** Thai

**POSITION**

Lecturer/Faculty Member 2015 - Present  
Department of Geotechnology, Faculty of Technology

KHON KAEN UNIVERSITY, Khon Kaen, Thailand

**EDUCATION**

UNIVERSITY OF NEVADA, LAS VEGAS Expected Graduation 2018  
Department of Geoscience Cumulative GPA: 3.57  
Ph.D. Candidate (Hydrogeology)

UNIVERSITY OF COLORADO at BOULDER 2013

Department of Geosciences

B.A. (Geology), Minor: Atmospheric and Oceanic Sciences

**RESEARCH TOPICS and INTERESTS**

* Hydrogeology/Hydrology, Geology, Environmental Geology, and Geochemistry
* Climate change effects in the Lower Mekong Basin
* Hydrological change and dynamics, water and land use management
* Application of hydrologic modeling, e.g. SWAT, MODFLOW, ArcGIS
* Hydrological and Geological Application of GIS and Remote Sensing

**AWARDS and HONORS**

2005-2018 **Development and Promotion of Science and Technology Talents(DPST)**

*Full Scholarship until Ph.D. in Geology supported by Thai Government.*

2018 **Bernada French Scholarship**

UNIVERSITY OF NEVADA, LAS VEGAS

2017-2018 **Graduate Assistantship**   
Department of Geoscience  
UNIVERSITY OF NEVADA, LAS VEGAS, Nevada, USA

2017 **Graduate and Professional Student Association (GPSA) Sponsorship**

UNIVERSITY OF NEVADA, LAS VEGAS

2016 **Edwards and Olswang Scholarship**

UNIVERSITY OF NEVADA, LAS VEGAS

2015  **Graduate and Professional Student Association (GPSA) Sponsorship**

UNIVERSITY OF NEVADA, LAS VEGAS

**Research Assistantship**

DESERT RESEARCH INSTITUTE, Las Vegas, NV

2013-2014 **Graduate Fellowship**

DESERT RESEARCH INSTITUTE, Las Vegas, NV

2012 **Learning Assistantships**

UNIVERSITY OF COLORADO at BOULDER

2007 **The 34th Professor Harry Messel International Science School (ISS2007)**

*Representative of Thailand, Participant*

UNIVERSITY OF SYDNEY

Sydney, Australia

**SCIENCTIFIC and RESEARCH EXPERIENCES**2015 **Research Assistant** *Infiltration Modeling (Hydrus 1D)*

DESERT RESEARCH INSTITUTE, Las Vegas, NV

2007 **Biology Research***“Observing and studying the factor for survive and the product from Spirogyra spp.”*

*Presented at DPST conference 2008*

Nakhon Prathom, Thailand

2006 **Organic Chemistry Lab Intern**

KHON KAEN UNIVERSITY

Khon Kaen, Thailand

**WORKSHOPS and CONFERENCES**2017 **Southeast Asia** **Soil Water Assessment Tool (SWAT) Modeling**

**Conference and Workshop** Kuala Lumpur, Malaysia

**Soil Water Assessment Tool (SWAT) Modeling Workshop for Advanced User**  
 TEXAS A&M UNIVERSITY

2016 **Soil Water Assessment Tool (SWAT) Modeling Workshop**  
 TEXAS A&M UNIVERSITY  
2015 **Thai-Lao Technical Conference on Geology and Mineral Resources**  
 Bangkok, Thailand

**Conference of Salinity Soil in the Northeastern Thailand**   
Khon Kaen, Thailand

2014 **Electromagnetic Applications Workshop**  
 KHON KAEN UNIVERSITY  
 Khon Kaen, Thailand

**TEACHING EXPERIENCE**

2017-18 **Introduction to Geography Laboratory Instructor**

UNIVERSITY OF NEVADA, LAS VEGAS

2015-17 **Co-Instructor [Geology/Geophysics Field Class]** *Field Class for Geotechnological Students (Junior Year), Summer 2015-16*

KHON KAEN UNIVERSITY

Khon Kaen, Thailand

2014 **Invited Speaker [Geography]** *Topic: Environmental Management and Human Settlement*Department of Geography, Faculty of Humanities and Social Sciences

MAHASARAKHAM UNIVERSITY  
 Mahasarakham, Thailand

2012 **Learning Assistant [Mineralogy]***Undergraduate Teaching Assistant*UNIVERSITY OF COLORADO at BOULDER  
**Learning Assistant [Atmospheric and Oceanic Science]**

*Undergraduate Teaching Assistant*UNIVERSITY OF COLORADO at BOULDER  
**Teaching Assistant [Mineralogy]**

KHON KAEN UNIVERSITY

Khon Kaen, Thailand

2011 **Teaching Assistant [Mineralogy]**

KHON KAEN UNIVERSITY

Khon Kaen, Thailand

**Invited Tutor [Geology]**

KAENNAKHONWITTHAYALAI SCHOOL

Khon Kaen, Thailand

**EXTRACURRICULAR ACTIVITIES**

2017 **Geosymposium Poster Judge**

Department of Geoscience  
UNIVERSITY OF NEVADA, LAS VEGAS, Nevada, USA

2011-2012 **President of Thai Student Association**

UNIVERSITY OF COLORADO at BOULDER

Boulder, CO

**SKILLS**

**Languages:** Thai (native speaker), English (fluent)

**Computer Skills:** MATLAB, MODFLOW, HYDRUS, ArcGIS, SWAT, Adobe Illustrator, Microsoft Offices

*References will be furnished upon request.*

*Updated March 9th, 2018*