

CURRICULUM VITAE**Assist Prof. Teerawong Laosuwan**

Major Areas of Interest: Remote sensing, GIS, Digital Image Processing, Web Mapping Service

Mailing Address:

Assist. Prof. Teerawong Laosuwan
 Department of Physics, Faculty of Science
 Mahasarakham University,
 Maha Sarakham, 44150, Thailand
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CURRENT POSITION:

- ❑ Lecturer and researcher in Department of Physics, Faculty of Science, Mahasarakham University, Maha Sarakham, 44150, Thailand

CURRENT JOB:

- ❑ Lecturer (Bsc) : e.g. Introduction to Remote sensing, Introduction to GIS, Image processing
- ❑ Lecturer (Msc): e.g. Selected topic research applied remote sensing and GIS
- ❑ Research: - (Co-researcher) Developing Small-holder Agroforestry Carbon Offset Protocols for Carbon Financial Markets in Thailand. (2007 – 2012), Mahasarakham University, NRCT (Thailand) and Michigan State University, USA, leads by Prof. Dr. Devid L. Skole and Dr. Jay H. Samek
- (Co-researcher) Research on Integrating Community-based Participatory Carbon Measurement and Monitoring with Satellite Remote Sensing and GIS in a Measurement, Reporting and GIS in a Measurement, Reporting and Verification (MRV) System for REDD+. (2012 – 2013), Mahasarakham University, NRCT (Thailand) and Michigan State University, USA, leads by Dr. Jay H. Samek

ACADEMIC QUALIFICATION:

- ❑ **Electrical and Computer Engineering (PhD. Cand.)**
(2012, Mahasarakham University, Maha Sarakham, Thailand)
- ❑ **Remote Sensing and Geographic Information System (CAS)**
(2010, Asian Institute of Technology (AIT), Bangkok, Thailand)
- ❑ **Geo-informatics and GIS Modeling (Cert.)**
(2005, ITC, Faculty of Geo-Information Science and Earth Observation, University of Twente, Netherlands)
- ❑ **Remote Sensing (Msc.)**
(2001, Suranaree University of Technology, Nakhon Ratchasima, Thailand)
- ❑ **Electronics Engineering (B. Eng)**
(1994, South-East Asia University, Bangkok, Thailand)

RESEARCH INTEREST:

- ❑ Application of Remote Sensing and GIS for REDD+
- ❑ Application of Remote Sensing and GIS for Environmental and Natural Resources
- ❑ Image processing and Signal processing
- ❑ Web Mapping Service (Open source software development)

PERSONEL INFORMATION:

Marital Status: Married

DOB: 2 October 1971

REFERENCE:

Assoc. Prof. Dr. Charlie Navanugraha

Dean, Faculty of Environmental and Resource Studies, Mahasarakham University,
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SELECTED PUBLICATIONS AND CONFERENCE on 2011 and 2012:

Scientific publications are 33 articles such as;

Laosuwan, T., Chubpang., U, Yuthana. (2012). Mobile Technology and Health Care, Journal of Science and Technology, Mahasarakham University, 31 (4): 417-425.

Laosuwan, T., Chubpang, P., Sukkasena., U, Yuthana. (2012). Improving Satellite Remote Sensing in Multi Spectral through Image Fusion Algorithm, Journal of Science and Technology, Mahasarakham University, Special Issue, Research for Asian Community, 8 (8): 82-87.

LaosuwanT., Chunpang, P. (2012). Design and Development a Novel Web-based GIS for Surveillance and Monitoring of Diarrhea by Using of Free Open Source Software, Innovation Systems Design and Engineering Journal,3 (6): 42-53,

Teerawong Laosuwan. (2012). THE PARTICIPATE TRIPARTITE OF GEOGRAPHIC INFORMATION SCIENCE VIA OPEN SOURCE SOFTWARE EDUCATION, Information Technologies and Learning Tools, 5 (31)

Laosuwan, T., Sangpradit, S., (2012). Urban Heat Island Monitoring and Analysis by Using Integration of Satellite Data and Knowledge Based Method, International Journal of Development and Sustainability, 1 (2): In Press--.

LaosuwanT., Uttarak, P., Klinhom, U., Butthep, C., Samek, J. H. and Skole, D. L. (2012). Carbon Sequestration and offset: The Pilot Project of Carbon Credit through Forest Sector in Thailand, International Journal of Environmental Sciences, 3 (1): 126-133.

- Teerawong Laosuwan. (2012). Online Web Based Services for Spatial Data and Sharing of Leptospirosis Epidemiology Information; Development of Pilot Project in Maha Sarakham Province, Thailand. *JOURNAL OF GEOMATICS AND GEOSCIENCES*, 3 (1): 121-133.
- Teerawong Laosuwan. (2012). Design and Development GIS Web Services for Epidemiology Data Distribution: The Pilot Project for Dengue Fever in Maha Sarakham Province Thailand, *International Journal of Advances in Engineering, Science and Technology*, 2 (3): 193 -201.
- Laosuwan, T., Sangpradit, S., chokkuea, W. (2012). Geographic Information System Application for Land Suitability Evaluation of Sunflower Plantation, *International Journal of Emerging Sciences*, 2 (3): 499-508.
- Teerawong Laosuwan. (2012). A WEB-BASED GIS DEVELOPMENT FOR NATURAL RESOURCE AND ENVIRONMENTAL MANAGEMENT, *Journal of Applied Technology in Environmental Sanitation*, 2 (2): 103-108.
- Laosuwan, T., Ritjareonwattu, S. (2012). An Innovative Approach to the Development of Spatial Data Infrastructures and Web 2.0 Technologies, *International Journal of Geoinformatics*, 8 (2): 53-61
- Teerawong Laosuwan. (2012). A Web-Based GIS Development for Natural Resources and Environmental Management. *Journal of Applied Technology in Environmental Sanitation*, 2 (2): 103-108.
- Gomasathit, T., Laosuwan, T., Chunpang, P., Uraichune, Y. (2011). The Real Experience in GIS Teaching Aid by Using GIS Open-Source Software, *Journal of Geoinformatics*, 7 (4): 63-67.
- Jay H. Samek, David L. Skole Usa Klinkhom, Chetpong Butthep, Charlie Navanugraha, Pornchai Uttaruk, Teerawong Laosuwan. (2011). Inpang Carbon Bank in Northeast Thailand: A Community Effort in Carbon Trading from Agroforestry Projects, *Springer Agroforestry Book Series*, 8: 263-280.
- Laosuwan, T., Chubpang, P., Sukkasena. (2011). Development of Robotic Aerial Remote Sensing System for Field Educational Purpose, *International Journal of Geoinformatics*, 7 (4): 21-27.
- Laosuwan T., Uttarak, P., Klinkhom, U., Butthep, C., Samek, J. H. and Skole, D. L. (2011). Development of Web-GIS Application for Carbon Sequestration in Thailand, *International Journal of Geoinformatics*, 7 (2): 41-47.
- Teerawong Laosuwan. (2011). Geographic Information System with Earth System Science, *Journal of Science and Technology, Mahasarakham University*, 30 (3): 353-359.

Laosuwan, T., Chubpang, P., Sukkasena., U, Yuthana. (2011). The Study Change Detection of Land use/ Land cover by using Multi-Temporal Satellite Data, Journal of Science and Technology, Mahasarakham University. Special Issue, Research for Creative Economy, 7 (7): 1-6.