

CURRICULUM VITAE

Name: Dr. Chakrit Chotamonsak

Personal Details

Address Office: Department of Geography, Faculty of Social Sciences, Chiang Mai University, Chiang Mai, 50200 THAILAND
Telephone (+66) 088-260-1602 Fax +66 53 890210
E-mail : chakrit.c@cmu.ac.th , chotamonsak@gmail.com

Employment:

- 2012-Present: Lecturer, Geography Department, Faculty of Social Science, Chiang Mai University, Thailand.

Education:

- 2012: Ph.D. in Environmental Science, Faculty of Science , Chiang Mai University, Chiang Mai, Thailand.
- Oct 2010- Sep 2011: UW VISIT Program (Student Intern), University Of Washington, Seattle, Washington, USA.
- Sep 2009-Aug 2010: Pre-doctoral International visiting scholar, University of Washington, Seattle, Washington, USA.
- 2005: M.Sc. in Physics, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand.
- 2002: Graduate certificate in teaching, Faculty of Education, Chiang Mai University, Thailand.
- 2001: B.Sc. in Physics, Faculty of Science, Chiang Mai University, Chiang Mai, Thailand.

Theses:

M.Sc. Thesis

Numerical Weather Simulation of the Depressions in the Gulf of Thailand by MM5 Model.

Ph.D. Thesis

Climate Change Simulation for Thailand Using Regional Climate Model.

Publications

International

1. Chotamonsak, C., E. P. Salathe, J. Kreasuwan, and S. Chantara. 2012. "Evaluation of Precipitation Simulations over Thailand using a WRF Regional Climate Model." Chiang Mai Journal of Science 39 (4):623-638.
2. Chotamonsak, C., E. P. Salathe, J. Kreasuwan, S. Chantara, and K. Siriwitayakorn. 2011. "Projected climate change over Southeast Asia simulated using a WRF regional climate model." Atmospheric Science Letters 12 (2):213-219. doi: 10.1002/asl.313. (IF

3. Chotamonsak C. and Kreasuwan J. 2008. "Numerical weather simulation of the depression 23W in the Gulf of Thailand by MM5". Songklanakarin Journal of Science and Technology. 30(2). 257-267.

Conferences/ Seminars/ Meetings

1. Chotamonsak C., Salathe E.P., Kreasuwun J. 2016. Dynamical downscaling of Global Climate Model over Thailand using Regional Climate Model. Abstract proceeding on "The International Conference on Regional Climate CODEX 2016 (ICRC-CORDEX 2016), Stockhole , Sweden, May 17-20, 2016.
2. Chotamonsak C., Salathe E.P., Kreasuwun J. 2016. The Potential Impacts of Climate Change on Air Quality in the Upper Northern Thailand. Abstract proceeding (Geophysical Reaserch Abstracts) and Poster Presentation on "The European Geophysics Union General Assembly (EGU2016)", Vienna, Austria, April 17-22, 2016.
3. Chotamonsak C., Salathe E.P., Kreasuwan J. 2016. Projection of Climate Change over the Upper Ping River Basin using Regional Climate Model. Abstract proceeding and Poster Presentation on "TRF-OHEC Annual Conference (TOAC 2016)". The Regent Cha-am Beach Resort. Rayon, Thailand, January 6-8, 2016.
4. Participated in "**The 4th China-Thailand Joint Seminar on Climate Change**", Xi'an, China. August 12-15, 2015.
5. Chotamonsak C., The Effects of Forest Fires Aerosols on Solar Radiation and Climate over Northern Thailand. Abstract proceeding and Oral presentation in "**The 9th Asian Aerosol Conference (ACC2015)**", Kanazawa Tokyu Hotel, Kanazawa, Japan, June 24 - 27, 2015.
6. Participated in "**The 2nd Annual Pacific Northwest Climate Science Conference**", Kane Hall, University of Washington, Seattle, Washington, USA, September 13-14, 2011
7. Attended in "The 91st AMS annual meeting (AMS2011)", Washington State Convention Centre and Trade, Seattle, Washington, USA, Jan 22 - 26, 2011.
8. Participated in "**The 2010 Program on Climate Change (PCC) Summer Institute: Climate Feedbacks**", Friday Harbor Laboratory, Friday Harbor, Washington, USA, September 15 - 17, 2010
9. Chotamonsak C., Jiemjai K., Chantara S. and Siriwitayakorn K. 2009. Abstract proceeding and Oral presentation on "**The 3rd East Asia WRF Workshop and Tutorial**", Seoul National University, Seoul, Korea, April 13-21 , 2008, 24.
10. Chotamonsak C., Jiemjai K., Chantara S. and Siriwitayakorn K. 2008. An investigation of climatic variability in Thailand by ECHAM5, Abstract proceedings in "**The International Seminar On Climate Variability, Change and Extreme Weather Events**", Danau Golf Club, University Kebangsaan, Malaysia, February 26-27, 2008, 72
11. Chotamonsak C., Jiemjai K., Chantara S. and Siriwitayakorn K. 2008. An investigation of climatic variability of the years 1990 and 2007 in Thailand, Abstract proceedings and poster presentation on "**the Royal Golden Jubilee Ph.D. Program Seminar: Series LX**", Chiang Mai University, Chiang Mai, Thailand, March, 28, 2008, 21.

Workshops/ Trainings/ Tutorials

1. Participated in “**The 4th WCRP CORDEX Science and Training Workshop in East Asia**”, University of Chinese Academy of Sciences (UCAS), Beijing, China., November 23-26 , 2015.
2. Chotamonsak C.,Salathe E.P., Kreasuwan J., Chantara S. and Siriwitayakorn K. 2010. Evaluation of regional climate simulation over Thailand. Poster presentation in “**The WRF Summer Workshop 2010**”, NCAR's Center Green Campus, Boulder, Colorado, USA, June21 – 25, 2010.
3. Participated in workshop and tutorial of “**The Fall Colloquium on the Physics of Weather and Climate: Regional Weather Predictability and Modeling**”, the Abdus Salam International Centre for Theoretical Physics (ICTP), Miramare-Trieste, Italy, September 29 - October 10, 2008.

Teaching and Outreach:

Undergrad

1. GEO100 (Introduction to geography)
2. GEO101 (Physical geography)
3. GEO111 (Weather in everyday life)
4. GEO104 (Environmental conservation)
5. GEO251 (Introduction to atmosphere)
6. GEO353 (Meteorology)
7. GEO457 (Agricultural meteorology)

Post-grad

8. GEO713 (Disaster concepts)
9. GEO723 (Climate change)

Research experiences:

Completed Research Projects:

1. Climate Change Impact on Air Pollution Problem in Upper Northern Thailand. Chiang Mai University. 2013-2015 (PI)
2. The effects of atmospheric aerosol on solar radiation and climate over Northern Thailand. Phase I : A case study of forest fire season 2013. National Astronomical Research Institute of Thailand. 2015 (PI)
3. Changes in Temperature and Precipitation Extremes in Northern Thailand. Faculty of Social Science. Chiang Mai University. 2014 (PI)
4. Design and development of risk assessment model for cities in Thailand and decision support system for climate change adaptation: Phase I – Prototype development and proof of concept. Thai Research Foundation. 2014. (Co-Researcher)
5. Fuel Reduction by Participatory Action-based Management to Decrease Forest Fires: A Case Study of Soptia Sub-district, Chom Thong District, Chiang Mai Province. Thai Universities for Healthy Public Policies, 2013. (Co-Research)
6. Air Pollution Potential and Warning in Chiang Mai. Thai Universities for Healthy Public Policies, 2010. (Co-Researcher)

7. Simulation of climate change for Thailand using MM5 regional climate model. Thailand Research Fund, 2009. (Co-Researcher)
8. Weather analysis for air quality monitoring in Chiang Mai – Lamphun basin, Thailand Research Fund, 2008. (Co-Researcher)
9. Simulation of Particulate Matter on Weather Variability in Chiang Mai – Lamphun basin, Office of the National Research Council of Thailand, 2009. (Co-Researcher)
10. Relationship between surface temperature and land use from remote sensing data in Chiang Mai – Lamphun basin, Faculty of Social Science, Chiang Mai University, 2008. (Co-Researcher)
11. The Application of Remote Sensing Data and GIS to Study the Relationship of Forest Fire and Air Pollution in Chiang Mai-Lamphun Basin, Geo-Informatics and Space Technology Development Agency (Public Organization), 2008. (Co-Researcher)
12. Project of management ecosystem in Ping basin. Office of Natural Resources and Environmental Policy and Planning, Ministry of Natural Resources and Environment, April-December 2007. (Co-Researcher)

Ongoing Research Projects:

1. The Impacts of Climate Change on Hydrology and Water Resources of the Upper Ping River Basin. Thai Research Foundation. 2014-2016 (PI)
2. Monitoring of Open Burning in Northern Thailand for Assessment of Air Pollutant Emission and Transport for Smoke Haze Management Planning. Thai Research Foundation, 2015-2017 (Co-Research)
3. Seasonal Climate Forecasting Model for Rice Yield Modeling over Thailand. Thai Research Foundation. March 2016- March 2018. (PI).