

# Nawinda Chutsagulprom

---

## CONTACT INFORMATION

Department of Mathematics      *Phone:* +66 (0) 53-943-325  
Chiang Mai University      *E-mail:* nawinda.chuts@cmu.ac.th  
239 Huaykaew Rd, T. Su Thep  
Amphoe Mueang  
Chiang Mai, 50200

## RESEARCH INTERESTS

Bayesian Statistics, Data Assimilation, Stochastic Process, Spatial Interpolation

## EDUCATION

**Universitaet Potsdam**, Potsdam, Germany

Ph.D., Mathematics, 2012-2016

**University of Oxford**, Oxford, UK

M.Sc. in Mathematics, 2011

**University of Oxford**, Oxford, UK

MMath in Mathematics, 2008. (Upper second class honours, 2:1)

## PUBLICATIONS

Chutsagulprom, N., Reich, S., and Reinhardt, M. (2016). **A hybrid ensemble transform particle filter for nonlinear and spatially extended dynamical systems.** *SIAM/ASA J. Uncertainty Quantification*, 4(1): 592-608.

Moonchai, S and Chutsagulprom, N (2020). **Short-term forecasting of renewable energy consumption: Augmentation of a modified grey model with a Kalman filter** *Applied Soft Computing*, 87: 105994

## CONFERENCE AND POSTERS

- Chutsagulprom, N., Moonchai, S, 2018. “ *A Hybrid Prediction Method for Renewable Energy Consumption in Thailand*”. ICMA-MU2018: International Conference in Mathematics and Applications, Bangkok, December 2018 (Oral presentation).
- Chutsagulprom, N., 2018. “ *A Transform Filter for High Dimensional Data*”. CMU-IWR2018, Chiang Mai, March 2018 (Oral presentation).
- Chutsagulprom, N., Reich, S., 2015. “ *A Hybrid EnKF-ETPF Data Assimilation Scheme*”. 10th International EnKF workshop, Flåm, Norway, June 2015 (Oral presentation).
- Chutsagulprom, N., Reich, S., 2014. “ *Ensemble Transformation based on Gaussian Mixture Density*”. ISDA 2014, Munich, Germany, February, 2014 (Poster).
- Chutsagulprom, N., Reich, S., 2012. “ *Gaussian Mixture Model based on the Rank Histogram Filter* ”. Oberwolfach, Germany, December, 2012 (Poster).
- Geosim Annual Workshops, 2012-2015