

1. **Name:** Phumin Kirawanich

2. **Education – degree, discipline, institution, year:**

Ph.D.	Electrical Engineering	University of Missouri USA	2002
M.Sc.	Electrical Engineering	University of Missouri USA	1998
B.Eng.	Electrical Engineering	Prince of Songkhla University Thailand	1995

3. **Academic experience:**

Mahidol University, Thailand

Associate Professor, Electrical Engineering Dept. 2011 – Present (full-time)

Assistant Professor, Electrical Engineering Dept. 2008 – 2011 (full-time)

4. **Non-academic experience:** – company or entity, title, brief description of position, when)ex .2008-2012(, full time or part time

Computer Technology Laboratory National Electronics and Computer Technology Center (NECTEC)

Assistant Researcher 1995 – 1996 (full-time)

5. **Certifications or professional registrations:**

Registered Professional Electrical Engineer Thailand

6. **Current membership in professional organizations:**

IEEE, EEAAT, Thai Railway Engineering Association (TREA)

7. **Publications (Selected):**

A. Fraszczyk, W. Weerawat, M. Marinov, P. Kirawanich, (2019) Exchange of Higher Education Teaching and Learning Practices Between UK and Thailand: A Case Study of RailExchange Courses. In Sustainable Rail Transport (pp. 241 – 256).

P. Kirawanich, “An emission management framework for implementing a large railway system with interface complexity,” IEEE EMC Magazine, no. 2, 2018.

W. Songnuan, U. Siriwattanakul and P. Kirawanich, “Physiological and genetic analyses of Arabidopsis thaliana growth responses to electroporation,” IEEE Transactions on NanoBioscience, vol. 40, page 773-779, 2015.

8. **Briefly list the most recent professional development activities**

- MU EdPEX Assessor, Thailand 2016 – present