

**1. Name:** Ittiphong Leevongwat, Associate Professor

**2. Education**

Ph.D. Electrical Engineering and Computer Science, Tulane University, May 2007  
Master Manufacturing Management, Pennsylvania State University, May 2002  
B.E. Control Engineering, King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand, June 1996

**3. Academic experience**

Jan. 2021-present, Associate Professor, Electrical Engineering, Mahidol University  
Aug. 2014-Aug. 2020, Associate Professor, Electrical Engineering, Univ. of New Orleans  
Aug. 2008-Aug. 2014, Assistant Professor, Electrical Engineering, Univ. New Orleans  
Aug. 2002-May 2007, Graduate Asst., Electrical Eng. & Computer Science, Tulane Univ.

**4. Non-academic experience**

Aug. 2000-May 2001, Software Localization Team Leader (Microsoft Project), Star Translation & Software Co., Ltd. (STAR Group), Bangkok, Thailand: Professional translation and localization services in Thai for technical product info including software applications  
June 1996-July 2000, Instrument and Control Engineer, Cementhai Chemicals Co., Ltd. (Siam Cement Group), Rayong, Thailand: Conduct and review specifications, engineering, installation, testing of instruments and process control system for petrochemical plants

**5. Certifications or professional registrations**

Certification of advanced user of Microsoft Office, issued by Microsoft Corporation  
Certification of software localization and build process, issued by Microsoft Corporation

**6. Current membership in professional organizations**

Member of the IEEE Society, and IEEE Power Engineering Society (PES).  
Member of the DoE/EPRI GridEd  
Member of the Eta Kappa Nu (HKN)  
Member of the ACM Upsilon Pi Epsilon

**7. Honors and awards**

Nominated for IEEE Outstanding Educator, IEEE, February 2018  
UNO Honors Program's Honors Mentor Award, University of New Orleans, Nov. 2009  
Shell's / Dean's Engineering Student Leadership Council Distinguished Teacher Award - Assistant Professor, The College of Engineering, University of New Orleans, AY 2008-2009  
Dean's Engineering Student Leadership Council Distinguished Teacher Award - Assistant Professor, College of Engineering, University of New Orleans, 2007-2008  
IBM Fellowship, Tulane University, 2002-2007

**8. Service activities (within and outside of the institution, recent and selected)**

Organizing Committee: IEEE Engineering Forum and Southeast Symposium for Contemporary Engineering Topics, New Orleans, Sept. 15, 2017; IEEE GreenTech, New

Orleans, April 2015; IEEE SPAX, New Orleans, April 2015; Circuits Competition, IEEE Region 5 Meeting, New Orleans, April 2015  
Technical Program Chair, 2016 UNO Engineering Forum, New Orleans, Sept. 16, 2016  
Operations Chair for 2015 IEEE Region 5 Meeting, New Orleans, 2014-2015  
Session Chair for Power Engineering Track as part of 2011 IEEE Southeast Symposium for Contemporary Engineering Topics, New Orleans, Louisiana, Nov. 2012  
IEEE UNO Student Branch Counselor, Univ. New Orleans, 2008-2012, 2014-2020  
Member of UNO Engineering Forum Committee, University of New Orleans, 2013-2020  
Member of the Electrical Engineering ABET committee, Univ. New Orleans, 2011-2020  
Member of UNO-Entergy Lecture Series Organizing Committee, bringing practicing engineers, students and faculty to meet and discuss the real world topics, 2008-2020

### 9. Recent publications (selected)

- B. Poudel, E. Amiri, **I. Leevongwat**, J.R. Ramamurthy, T. E. Field, R. Rastgoufard, P. Rastgoufard, "Hardware-In-the-Loop Testing of Multiple SVC Controllers for Dynamic Grid Voltage Support," IEEE Open Access Journal of Power and Energy, Submitted January 2020. Manuscript ID OAJPE-00003-2020.
- M. Hossain, **I. Leevongwat**, P. Rastgoufard, "Revisions on Alpha Plane for Enhanced Sensitivity of Line Differential Protection," IEEE Transactions on Power Delivery, ISSN 0885-8977, DOI 10.1109/TPWRD.2018.2840964, May 2018.
- M. Hossain, **I. Leevongwat**, P. Rastgoufard, "Design and Testing of a Bus Differential Protection Scheme Using Partial Operating Current (POC) Algorithm," Journal of Electric Power Systems Research (Elsevier), April 2018, vol 157, pp 29-38.
- M. Hossain, **I. Leevongwat**, P. Rastgoufard, "Partial Operating Current Characteristics to Discriminate Internal and External Faults of Differential Protection Zones During CT Saturation," IET Generation, Transmission & Distribution, January 30, 2018, vol 12, issue 2, pp 379-384, DOI 10.1049/iet-gtd.2017.0283.