



Biographical Data

Field of Electrical Engineering,
Faculty of Engineering, Maharakham University
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Asst. Prof. Nawarat Piladaeng, Ph.D.

ผศ.ดร.นวรรตน์ พิลาแดง

Education and Qualifications:

- 2016 Ph.D. (Electrical and Computer Engineering), Maharakham University
- 2008 M.Eng. (Electrical and Electronic Engineering), University of Adelaide, Australia
- 2007 B.Eng. (Electrical Engineering) (Second class Honors), Khon Kaen University

Present Position:

- 2020 – Present Assistant Professor of Electrical Engineering, Faculty of Engineering, Maharakham University
- 2016 – Present Senior lecturer of field Electrical Engineering, Faculty of Engineering Maharakham University

Work Experience:

- 2009 – present Lecturer of field Electrical Engineering, Faculty of Engineering, Maharakham University

Training Crouse/License:

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Current Research and Fund:

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Academic service

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Expertise Field: Application of electrical properties of materials measurement techniques

Determination of Electromagnetic Properties of Materials

Teaching Subjects:

0300 230	Engineering Mathematics 3
0307 200	Electromagnetic Fields
0307 281	Principle of Digital Circuits
0307 282	Digital Circuit Laboratory
0307 308	Foundation of Electrical Engineering
0307 309	Foundation of Electrical Engineering Laboratory
0307 400	Electrical Engineering Project 1
0307 401	Electrical Engineering Project 2
0307 455	Determination of Electromagnetic Properties of Materials

Recent Publications: *Journal Papers (International)*

Piladaeng, N., Angkawisittpan, N., Homwuttiwong, S. (2016).

“Determination of Relationship between Dielectric Properties, Compressive Strength, and Age of Concrete with Rice Husk Ash Using Planar Coaxial Probe” *Measurement Science Review*, 16(1): 14-20.

Nuan-on, A., Angkawisittpan, N., **Piladeang, N.** (2016). “Design of Ring Resonator with Harmonic Elimination Using Double Folded Spurlines” *Proceeding of STISWB 8*, 321-325.

Adisorn Nuan-on, Niwat Angkawisittpan, Nawarat Piladaeng, Arnuchit Phankam, Nantanaporn Tiabpat, Pei Cheng Ooi. Design and Fabrication of Microwave Absorbers Using Water Hyacinth. Maharakham International Journal of Engineering Technology. Vol.3, No.1, January – June 2017, 7-10.



Nawarat Piladaeng, Niwat Angkawisittpan, Adisorn Nuan-On, Design, construction and validation of a planar probe for measuring complex relative permittivity of materials, International Journal of Engineering & Technology, 7(4), 6171-6174, 2018.

นวรรตน์ พิลาแดง, นีวัตร์ อังควิษฐพันธ์, “เทคนิคการวัดสภาพยอมสัมพัทธ์เชิงซ้อน,” วารสารวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยมหาสารคาม, 38(3), 2019.

Conference (Interational)

A. Nuan-on, N. Angkawisittpan, **N. Piladaeng**, T. Chaisena, P. Boonrong. Design and Fabrication of Battery Charging Shoes. STISWB 2017 Conference: 26 June 2017, Kunming University of Science and Technology, China.

Conference (National)

ศราวุธ โพธิ์ศรี, อุกฤษฏ์ ศรีโนนยาง, **นวรรตน์ พิลาแดง**. การพัฒนาชุดควบคุมเครื่องฟอกไฮอต์โนมัติ. การประชุมวิชาการประกวดโครงงานวิศวกรรมเกษตร ครั้งที่ 24, 29-30 มีนาคม 2561, มหาสารคาม, 90-95.

Patent/Petty patent -