

PERSONAL DATA



Name : Dr. KOMSAN KANJANASIT
Position : Assistant Professor of Electrical Engineering
Email : komsan.k@psu.ac.th
Phone : 076276551
ORCID : [0000-0002-7396-501X](https://orcid.org/0000-0002-7396-501X)
SCOPUS ID : [55582329000](https://scopus.com/authid/detail.uri?authorid=55582329000)
Web of Science [GAX-6360-2022](https://www.webofscience.com/wos/author/uri?uri=au%3AGAX-6360-2022)
ResearcherID :

EDUCATION

Ph.D. Degree	Doctor of Philosophy (Electrical Engineering), Heriot-Watt University, Edinburgh, United Kingdom
Master Degree	Master of Engineering (Electrical Engineering), King Mongkut's Institute of Technology North Bangkok, Thailand
Bachelor Degree	Bachelor of Engineering (Electrical Engineering) , Rajamangala Institute of Technology, Thailand

RESEARCH PROJECTS

[Research Projects](#)

- 1) "[MultiWaveS](#)" The European Commission under the FP7 Project
- 2) "The VHF Band and Smart Meters" GB1412827.6 filed
- 3) "The Asymmetric Resonance for Sensing Applications" PSU Support Grants

TEACHING

977-352 Cyber-Physical Systems
977-342 Intelligent Connected Objects
977-114 Digital and Logic Design
977-103 Physics for Engineers
240-441 Multicore Programming and Architecture
242-341 Embedded Systems Design
242-441 Advantage Computer Architecture and Organization
240-303 Ethical, Legal and Social Issues
240-631 Computer Arithmetic
242-480/240-480 Principle of Robotics
242-401 Computer Engineering Project I
242-402 Computer Engineering Project II
240-308 Computer Engineering Project Preparation

Chakadkit Thaenchakun and **Komsan Kanjanasit**, "A Comparative Study of OSPF Metrics in Routing Algorithms for Dynamic Path Selection in Network Security", ASEAN J. Sci. Tech. Report. 2025, 28(2), e256556. <https://doi.org/10.55164/ajstr.v28i2.256556>.

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Komsan Kanjanasit, Pracha Osklang, Terapass Jariyanorawiss, Akkarat Boonpoonga, and Chuwong Phongcharoenpanich, "Artificial Magnetic Conductor as Planar Antenna for 5G Evolution," Computers, Materials & Continua, vol. 74, no. 1 pp. 503–522, Jan, 2023

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📅 1/2023

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📅 12/2023

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📅 10/2022

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📅 6/2019

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📅 6/2017

Komsan Kanjanasit and Changhai Wang, "Fano Resonance in a Metamaterial Consisting of Two Identical Arrays of Square Metallic Patch Elements Separated by a Dielectric spacer," Applied Physics Letters, Vol. 102, p. 251108, 2013 (Impact Factor 3.515 ; ISI)

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📅 6/2013

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📅 5/2022

Y. Keaomane, T. Kliangsuwan, **K. Kanjanasit**, "A Study of Lightweight Dynamic Algorithm of Power Management System for Small Satellite Applications," Innovation Aviation & Aerospace Industry - International Conference 2021 (IAAI-2021), Princess Sirindhorn AstroPark, Chiang Mai, Thailand, 28th-30th June 2021

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📅 6/2021

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📅 10/2021

K. Kanjanasit, T. Jariyanorawiss and P. Osklang, "High-Directivity Planar Antenna Based on AMC Metamaterials," The 2021 ECTI Workshop on Biomedical Electricals-Electronics and Communications Engineering (BEC 2021), Thailand, 10 DEC 2021

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📅 2/2017

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📅 10/2016

K. Kanjanasit, C. H. Wang, P. Record, "A Wideband Resonant Cavity Antenna Based on Fano Resonance Effect in a Two-layer Patch Array Superstrate," The 7th International Conference on Metamaterials, Photonic Crystals and Plasmonics (META'16), Torremolinos (Málaga), Spain, 25–28 JUL 2016, pp.1219-1225

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📅 7/2016

A. Rusakov, I. B. Vendik, **K. Kanjanasit**, J. Hong, D. Filonov, "Ultra-Wideband Antenna with Single- and Dual-Band Notched Characteristics Based on Electric Ring Resonator," Proceedings of Days on Diffraction 2016, St. Petersburg, Russia, 27 Jun.–1 JUL 2016, pp.350-355

📅 6/2016

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I. B. Vendik, A. Rusakov, and **K. Kanjanasit**, "Printed UWB Antennas with Notched Bands," Microwave Microelectronics 2015, St. Petersburg, Russia (2015), pp. 304-308

📅 1/2015

K. Kanjanasit and C. H. Wang, "A High Directivity Broadband Aperture Coupled Patch Antenna Using a Metamaterial Based Superstrate," Antennas and Propagation Conference (LAPC), 2012 Loughborough, UK, 12-13 Nov. (2012)

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📅 11/2012

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คมสันต์ กาญจนสิทธิ์ (2567) ตอนที่ 8.2 เทคโนโลยีสื่อสารไร้สายยุคที่ 6 หน่วยที่ 8 เทคโนโลยีสื่อสารไร้สายยุคที่ 5 และ 6 เอกสารการสอนชุดวิชา รหัส 99313 การสื่อสารไร้สายและเครือข่าย (Wireless Communication and Networking) ฉบับปรับปรุงครั้งที่ 1 พ.ศ. 2567 สาขาวิชาวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยสุโขทัยธรรมาธิราช จำนวน 59 หน้า สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมาธิราช พิมพ์ครั้งที่ 1

10/2024

คมสันต์ กาญจนสิทธิ์ (2567) หน่วยที่ 9 โพรโทคอลการเคลื่อนที่และโมบายล์ไอพี เอกสารการสอนชุดวิชา รหัส 99313 การสื่อสารไร้สายและเครือข่าย (Wireless Communication and Networking) ฉบับปรับปรุงครั้งที่ 1 พ.ศ. 2567 สาขาวิชาวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยสุโขทัยธรรมาธิราช จำนวน 66 หน้า สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมาธิราช พิมพ์ครั้งที่ 1

10/2024

คมสันต์ กาญจนสิทธิ์ (2566) หน่วยที่ 1 หลักการของระบบไซเบอร์กายภาพ ประมวลสาระชุดวิชา รหัส 99714 ระบบไซเบอร์กายภาพและการประยุกต์ (Cyber-Physical System and Applications) สาขาวิชาวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยสุโขทัยธรรมาธิราช จำนวน 59 หน้า สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมาธิราช พิมพ์ครั้งที่ 1

10/2023

คมสันต์ กาญจนสิทธิ์ (2566) หน่วยที่ 2 สถาปัตยกรรมและโมเดลระบบไซเบอร์กายภาพ ประมวลสาระชุดวิชา รหัส 99714 ระบบไซเบอร์กายภาพและการประยุกต์ (Cyber-Physical System and Applications) สาขาวิชาวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยสุโขทัยธรรมาธิราช จำนวน 55 หน้า สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมาธิราช พิมพ์ครั้งที่ 1

10/2023

คมสันต์ กาญจนสิทธิ์ (2567) ตอนที่ 7.2 เทคโนโลยีของอินเทอร์เน็ตของสรรพสิ่ง หน่วยที่ 7 เทคโนโลยีอินเทอร์เน็ตของสรรพสิ่ง เอกสารการสอนชุดวิชา รหัส 99410 การจัดการและการออกแบบระบบโทรคมนาคม (Telecommunication System Design and Management) ฉบับปรับปรุงครั้งที่ 1 พ.ศ. 2566 สาขาวิชาวิทยาศาสตร์และเทคโนโลยี มหาวิทยาลัยสุโขทัยธรรมาธิราช จำนวน 59 หน้า สำนักพิมพ์มหาวิทยาลัยสุโขทัยธรรมาธิราช พิมพ์ครั้งที่ 1

4/2023

CHAPTERS

Irina B. Vendik, Alexander S. Rusakov, and **Komsan Kanjanasit**, "Study of Ultra-wideband Antenna with Multi-notch Band Loaded with a Multimode Electric Ring Resonator and a Complementary Resonance Structure," Book Chapter 15 : Newest Updates in Physical Science Research (International Book), 2021. <https://stm.bookpi.org/NUPSR-V11/article/view/3897>

7/2021

OTHERS

Research participants:

- 1) The European Commission under the FP7 8 project "MultiWaveS"
- 2) Patent: VHF band and smart meters GB1412827.6 filed, Jul. 18, 2014

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COLLEGE OF COMPUTING

Prince of Songkla University Phuket Campus
80 M.1 Vichitsongkram Road Kathu, Phuket 83120
Email : coc@phuket.psu.ac.th
Website : computing.psu.ac.th