

Curriculum Vitae

Mr. RERNGWUT CHOOMUANG



Contact information:

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Current Position: Instructor and consultant

Education:

- Doctor of Engineering (D.Eng., 2004) in Mechatronics Engineering, Asia Institute of Technology
- Master of Engineering (M.Eng., 2000) in Mechatronics Engineering, Asia Institute of Technology
- Bachelor Engineering (B. Eng., 1997) in Computer Engineering, Sripatum University

Field of expertise:

- Robotics and Machine vision
- Automation manufacturing system
- Embedded system
- System Integration

Work experiences:

Academic:

- 2018 – currently: instructor, Department of Mechatronics Engineering, Faculty of Engineering, Thaksin University, Thailand
- 1996 – 2017: instructor, Department of Mechatronics Engineering, Faculty of Engineering, Sripatum University, Thailand

- 2010: Researcher, the development of embedded system for teaching and learning in schools, Official of the basic education commission, Ministry of Education, Thailand

Industrial:

- 2019: The study of HT-6M Tokamak system for nuclear fusion in Institute of Plasma Physics, Chinese Academy of Sciences China (Head of research, Thailand Institute of Nuclear Technology Fund)
- 2019: The development of a food drying machine with infrared, (Head of the research and development, Kittirattapan Company and National Innovation Agency Fund)
- 2018: The development of a coconut shell container machine for orchid farm, (Head of the research and development, PEP Adtech Company and National Science and Technology Development Agency Fund)
- 2018: The development of a cassava flour percentage measurement machine (Head of the research and development, T-GoodTech Company and National Science and Technology Development Agency Fund)
- 2017: The development of a post-harvest cassava machine for industry (Head of the research and development, T-GoodTech Company and National Science and Technology Development Agency Fund)
- 2017: Develop the continuous learning tools for logistics and supply chain systems to strengthen the business potential of the organization (Head of the research and development, Division of Logistics, Ministry of Industry Fund)
- 2016: Develop the continuous learning tools for logistics and supply chain systems (Head of the research and development, Division of Logistics, Ministry of Industry Fund)
- 2015: The development of a rapid prototype control system (research and development, T National Metal and Materials Technology Center Fund)
- 2014: The development of CT-Scan control system (research and development, T National Electronics and Computer Technology Center Fund)

Academic work:

Teaching

- Mechatronics system design
- Sensors and Actuators for industry
- Robotics
- Machine vision
- Automation manufacturing system
- Computer Programming for engineering
- Microprocessor and Microcontroller
- Industrial Control

Research

- Development of Salak Handheld Pollination Device, 2023
- Cruise control of a lawn mower robot on rough and inclined terrain, TSU Conference, 2022
- Development of the prototype of an autonomous lawn mower robot, TSU Conference, 2022
- The rubber cutting position control of the rubber tapping robot, TSU Conference, 2021
- The development of the SCADA for a simulation of an automation, TSU Conference, 2021
- The Development of Rubber Tapping Robots, TSU Conference, 2021
- Development of Programs for Analyzing the Contact Angle of Droplet by Image Processing Method to Assess the Hydrophobicity of Insulator Surface, EENET Conference, 2020
- Fall detection system for the elderly at home, TSU Conference, 2020
- Highly precision control system design for orchid house with Fuzzy Logic Control, TSU Conference, 2019
- A Design and Development of Proactive Information Systems for Medical Communication, TNI Journal of Engineering and Technology Vol.7
- The Consumer Behavior of Medical Information over the Internet in Myanmar Country, NEUNIC, 2019

- Simple Smart Farm for the Community, The 10th Thailand renewable energy for community conference, 2018