

ข้อมูลอาจารย์มหาวิทยาลัยเกษตรศาสตร์

ชื่อ นายกาญจน์พันธุ์ สุขวิชชัย ตำแหน่งทางวิชาการ รองศาสตราจารย์	สังกัด ภาควิชาวิศวกรรมไฟฟ้า คณะวิศวกรรมศาสตร์
การดำรงตำแหน่งบริหาร -	
การศึกษา Doctor of Engineering (Mechatronics), Asian Institute of Technology, ไทย, 2557	
สาขาเชี่ยวชาญ/สนใจ Robotic, Control, AI, Computer System, Embedded System	
งานสอน 3D Product Design and Prototyping Advanced Research Methodology in Electrical Engineerin App. Artificial Neural Networks & Fuzzy Logic Applied Artificial Neural Networks and Fuzzy Logic Applied Neural Network and Fuzzy Logic Artificial Intelligence System for Robots Electrical Engineering Laboratory I Electrical Engineering Project I Electrical Engineering Project II Embedded Control Systems Introduction to Dynamic Control Introduction to Robotic Systems Microprocessor Microprocessor Laboratory Nonlinear Control Systems Process Control Laboratory Real-Time Computer Control Research Methodology in Electrical Engineering II Select Topic Ctrl & Measure Engine Selected Topics in Electrical Engineering Seminar ปฏิบัติการวิศวกรรมไฟฟ้า ไมโครโปรเซสเซอร์	
โครงการวิจัย ปี 2551 โครงการวิจัยพัฒนาเครื่องผลิตแผ่นพิมพ์ลายวงจรต้นแบบหนึ่งหน้า แบบอัตโนมัติ (หัวหน้าโครงการ) ได้รับทุนจากคณะวิศวกรรมศาสตร์ มหาวิทยาลัยเกษตรศาสตร์ ปี 2551 โครงการวิจัยพัฒนาด้านแบบหุ่นยนต์สำรวจอาคารและกำจัดปลวก (หัวหน้าโครงการ) ได้รับทุนจากกรมยุทธโยธาทหารบก กระทรวงกลาโหม ปี 2559-2560 โครงการพัฒนา ระบบหุ่นยนต์เตะฟุตบอลขนาดเล็ก เพื่อการศึกษา (หัวหน้าโครงการ) ได้รับทุนจากทุนพัฒนาผลิตภัณฑ์นวัตกรรม	
บทความวิจัยในวารสารวิชาการ ระดับชาติ - KANJANAPAN SUKVICHAI, Warayut Muknumporn, "Development of A Food Categories and Calories Estimation Full Stack System Based on Multi-CNNs Structures", วารสารสถาบันเทคโนโลยีไทย-ญี่ปุ่น : วิศวกรรมศาสตร์และเทคโนโลยี 8 (1) (2020) 38-49 ระดับนานาชาติ - KANJANAPAN SUKVICHAI, "Robot Hardware, Software, and Technologies behind the SKUBA Robot Team", Lecture Notes in Computer Science Volume 7416, 2012, pp 13-24, Springer Berlin Heidelberg. 7416 (1) (2012) 13-24 - KANJANAPAN SUKVICHAI, Alfredo Weitzenfeld, Joydeep Biswas, Mehmet Akar, "RoboCup Small-Size League: Past,Present and Future", Lecture Notes in Computer Science 8992 (1) (2015) 611-623 - KANJANAPAN SUKVICHAI, Kandith Wongsuwan, "Development of Visual Odometry Estimation for an Underwater Robot Navigation System", IEIE Transactions on Smart Processing and Computing 4 (4) (2015) 216-223 - KANJANAPAN SUKVICHAI, Kan Yajai, "Design of a Flapping Wings Butterfly Robot based on Aerodynamics Force", Advances in Science, Technology and Engineering Systems Journal 5 (4) (2020) 667-675 - KANJANAPAN SUKVICHAI, Chaitat Utintu, "An Alternative Approach for Thai Automatic Speech Recognition Based on the CNN-based Keyword Spotting with Real-World Application", Advances in Science, Technology and Engineering Systems 6 (4) (2021) 278-291	
บทความวิจัยในการประชุมวิชาการ	

ข้อมูลอาจารย์มหาวิทยาลัยเกษตรศาสตร์

ชื่อ นายกาญจน์พันธุ์ สุทธิชัย	
ตำแหน่งทางวิชาการ รองศาสตราจารย์	สังกัด ภาควิชาวิศวกรรมไฟฟ้า คณะวิศวกรรมศาสตร์
<p>ระดับชาติ</p> <ul style="list-style-type: none"> - Piyamate Wasuntapichaikul, KANJANAPAN SUKVICHAI, Yodyium Tipsuwan, "IMPLEMENTATION OF TORQUE CONTROLLER FOR BRUSHLESS MOTORS ON THE OMNI-DIRECTIONAL WHEELED MOBILE ROBOT", ITC-CSCC (International Technical Conference on Circuit/Systems, Computers and Communications) (2010) - Panya Lao-anantana, KANJANAPAN SUKVICHAI, Konlayut Songkrasin, Pattaraporn Tulathum, "Implementation of a ball-riding robot controller using FreeRTOS", The 8th annual International Conference on Information and Communication Technology for Embedded Systems (IC-ICTES 2017) (2017) - Konlayut Songkrasin, KANJANAPAN SUKVICHAI, Nut Kaewnark, Thanachote Visetsuthimont, "Design and Development of a Soccer Robot For Education using Personal Smartphone Interface", The Conference of TRS on Robotics and Industrial Technology 2017 (CRIT2017) (2017) - Rapeepong Rattanawaorahirunkhul, Peerayot Sanposh, KANJANAPAN SUKVICHAI, Chanin Panjapornpon, Yodyium Tipsuwan, สุรเทพ นิลนนท์, "Feedback Linearization with PID Controller Case Study: Automatic Underwater Vehicle Control and pH Control", CRIT 2017 - The Conference of Thai Robot Society on Robotics and Industrial Technology 2017 (2017) <p>ระดับนานาชาติ</p> <ul style="list-style-type: none"> - KANJANAPAN SUKVICHAI, "Application of Nonlinear Model Reference PID Controller for a Planar Robot Arm", Proceedings of the 2008 Electrical Engineering/ Electronics, Computer, Telecommunications and Information Technology (ECTI) International Conference. (2008) - Hoonsuwan, P., Sillapaphiromsuk, S., KANJANAPAN SUKVICHAI, Fish Jr., A., "Designing a stable humanoid robot trajectory using a real human motion", 2009 6th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology, ECTI-CON 2009 (2009) - KANJANAPAN SUKVICHAI, P. Wechsuanmanee, "DEVELOPMENT OF THE MODIFIED KINEMATICS FOR A WHEELED MOBILE ROBOT", ITC-CSCC (International Technical Conference on Circuit/Systems, Computers and Communications) (2010) - KANJANAPAN SUKVICHAI, Krit Chaiso, Jaktip Yodsri, "Object Recognition and Localization using Nave Bayes Nearest Neighbor", 1st International Conference on Information Technology and Electronic Commerce (2013) - Bhirawich Pholpoke, Krit Chaiso, KANJANAPAN SUKVICHAI, "Odometry Estimation Using Multi-Sensors Fusion for an Indoor Omni-directional Mobile Robot", The 29th International Technical Conference on Circuit/Systems Computers and Communications (ITC-CSCC) (2014) - KANJANAPAN SUKVICHAI, "PID surface Sliding Mode Control of a Ball-Riding Robot", The 29th International Technical Conference on Circuit/Systems Computers and Communications (ITC-CSCC) (2014) - KANJANAPAN SUKVICHAI, Jaktip Yodsri, Thanarat Chaveekolakit, "Object Avoidance using Fusion of Kinect 3D PointClouds and Laser Range Finder Information for a Mobile Robot", The 29th International Technical Conference on Circuit/Systems Computers and Communications (ITC-CSCC) (2014) - Weitzenfeld, A., Biswas, J., Akar, M., KANJANAPAN SUKVICHAI, "RoboCup small-size league: Past, present and future", (2014) - KANJANAPAN SUKVICHAI, "Optimal Robust Controller for a Ball-Riding Robot", The 30th International Technical Conference on Circuits / Systems, Computers and Communications (ITC-CSCC 2015) (2015) - Teeratath Ariyachartphadungkit, KANJANAPAN SUKVICHAI, Rangsarit Vanijirattikhan, "Design of the PID Posture Controller for 6-DOF Underwater Robot", The 30th International Technical Conference on Circuits / Systems, Computers and Communications (ITC-CSCC 2015) (2015) - Kandith Wongsuwan, KANJANAPAN SUKVICHAI, "Visual Odometry Estimation for an Underwater Robot Navigation", The 30th International Technical Conference on Circuits / Systems, Computers and Communications (ITC-CSCC 2015) (2015) - Krit Chaiso, KANJANAPAN SUKVICHAI, "Comparison of Deep Learning Algorithms Based on Face Recognition", The 30th International Technical Conference on Circuits / Systems, Computers and Communications (ITC-CSCC 2015) (2015) - Krit Chaiso, Jaktip Yodsri, KANJANAPAN SUKVICHAI, "Adaptive Feature Extraction Using Sparse Autoencoder Based On Bag-of-Word Model", The 30th International Technical Conference on Circuits / Systems, Computers and Communications (ITC-CSCC 2015) (2015) - Teeratath Ariyachartphadungkit, Rangsarit Vanijirattikhan, KANJANAPAN SUKVICHAI, Shoichi Hasegawa, "Implementation of PID Posture Controller for 6 DOF Underwater Robot", International Conference on Electronics, Information, and Communication 2016 (2016) - KANJANAPAN SUKVICHAI, Kandith Wongsuwan, Nut Kaewnark, Piyamate Wisanuvej, "Implementation of Visual Odometry Estimation for Underwater Robot on ROS by using RaspberryPi 2", International Conference on Electronics, Information, and Communication 2016 (2016) - KANJANAPAN SUKVICHAI, "Design of a Fuzzy Logic Adaptive Optimal Robust Controller for a Ball-Riding Robot", International Conference on Electronics, Information, and Communication 2016 (2016) - Panya Lao-anantana, KANJANAPAN SUKVICHAI, Patamaporn Sripadungtham, "Development of a Motion Controller for a Parachute Rice Sprout Transplanter", International Conference on Electronics, Information, and Communication 2016 (2016) - KANJANAPAN SUKVICHAI, Konlayut Songkrasin, Teeratath Ariyachartphadungkit, "Design of the Multi-tasks Multi-processors System for an Underwater Robot", The 8th annual International Conference on Information and Communication Technology for Embedded Systems (IC-ICTES 2017) (2017) 	

ข้อมูลอาจารย์มหาวิทยาลัยเกษตรศาสตร์

ชื่อ นายกาญจน์พันธุ์ สุทธิชัย	
ตำแหน่งทางวิชาการ รองศาสตราจารย์	สังกัด ภาควิชาวิศวกรรมไฟฟ้า คณะวิศวกรรมศาสตร์
<ul style="list-style-type: none"> - Jantane Rungrangpitayagon, Sirivat Poonvasin, Peerayot Sanposh, Rapeepong Rattanawaorahirunkhul, KANJANAPAN SUKVICHAI, Chanin Panjapornpon, "Feedback Linearization-Based PI Controller for Continuous pH Process System", The 8th annual International Conference on Information and Communication Technology for Embedded Systems (IC-ICTES 2017) (2017) - KANJANAPAN SUKVICHAI, Konlayut Songkrasin, Panya Lao-anantana, "Design of a Fuzzy Logic Controller on an ARM-Cortex M3 using FreeRTOS for a Ball-Riding Robot", the 32nd International Technical Conference on Circuits, Systems, Computers, and Communications (ITC-CSCC2017) (2017) - Pattaraporn Tulathum, Benjarut Sripetchdanon, KANJANAPAN SUKVICHAI, Konlayut Songkrasin, "Development of a Cooperative Restaurant Service Robots System based on ROS", the 32nd International Technical Conference on Circuits, Systems, Computers, and Communications (ITC-CSCC2017) (2017) - Rapeepong Rattanawaorahirunkhul, Peerayot Sanposh, KANJANAPAN SUKVICHAI, Yodyium Tipsuwan, Phakhachon Hoonsuwan, "Feedback Linearization with PID Controller Design for Autonomous Underwater Vehicle Using Particle Swarm Optimization (PSO)", ITC-CSCC2017 - the 32nd International Technical Conference on Circuits, Systems, Computers, and Communications (2017) - KANJANAPAN SUKVICHAI, Pruttapon Maolanon, Konlayut Songkrasin, "Design of a Double-Propellers Wall-Climbing Robot", The IEEE International Conference on Robotics and Biomimetics 2017 (IEEE-ROBIO 2017) (2017) - KANJANAPAN SUKVICHAI, Kandith Wongsuwan, "Generalizing Corrective Gradient Refinement in RBPF for Occupancy Grid LIDAR SLAM", The IEEE International Conference on Robotics and Biomimetics 2017 (IEEE-ROBIO 2017) (2017) - Konlayut Songkrasin, KANJANAPAN SUKVICHAI, Kandith Wongsuwan, Nattapon Chayopita, Yasuharu Koike, "Design of a Visual Control Based using Optical Flow for a Ball-Riding Robot", International Conference on Electronics, Information, and Communication 2018 (ICEIC 2018) (2018) - KANJANAPAN SUKVICHAI, Kandith Wongsuwan, Chanunya Loraksa, Surachat Chantarachit, "Simple 3D Splint Reconstruction using a Low Cost Smart Phone Line Laser 3D Scanner", International Conference on Electronics, Information, and Communication 2018 (ICEIC 2018) (2018) - KANJANAPAN SUKVICHAI, Patchareeporn Chuengsutthiwong, Pearpeerune Uthaisang, Pruttapon Maolanon, "Hidden Dot Patterns Recognition using CNNs on Raspberry Pi Zero W", The International Conference of Information and Communication Technology for Embedded Systems joint with the International Conference on Embedded Systems and Intelligent Technology (ICESIT-ICICTES2018) (2018) - Pruttapon Maolanon, KANJANAPAN SUKVICHAI, "Development of a Wearable Household Objects Finder and Localizer Device using CNNs on Raspberry Pi 3", The 2018 IEEE INTERNATIONAL WOMEN IN ENGINEERING (WIE) CONFERENCE ON ELECTRICAL AND COMPUTER ENGINEERING (WIECON-ECE) (2018) - Pruttapon Maolanon, KANJANAPAN SUKVICHAI, Nattapon Chayopitak, Atsushi Takahashi, "Indoor Room Identify and Mapping with Virtual based SLAM using Furnitures and Household Objects Relationship based on CNNs", 2019 10th International Conference of Information and Communication Technology for Embedded Systems (IC-ICTES) (2019) - KANJANAPAN SUKVICHAI, Pruttapon Maolanon, Kittinon sawanyawat, Warayut Muknumporn, "Food categories classification and Ingredients estimation using CNNs on Raspberry Pi 3", 2019 10th International Conference of Information and Communication Technology for Embedded Systems (IC-ICTES) (2019) - KANJANAPAN SUKVICHAI, Kan Yajai, "Aerodynamics Force Analysis for Designing a Flapping Butterfly Robot Wing", the 19th International Conference on Electronics, Information, and Communication (ICEIC 2020) (2020) - KANJANAPAN SUKVICHAI, Chaitat Utintu, Warayut Muknumporn, "Automatic Speech Recognition for Thai Sentence based on MFCC and CNNs", 2021 Second International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics (ICA-SYMP) (2021) - Ming-Hsien Chuang, KANJANAPAN SUKVICHAI, "Investigation of SIFT and ORB descriptors for Indoor Maps Fusion for the Multi-agent mobile robots", The 12th International Conference on Advances in Information Technology (IAIT2021) (2021) - Kanittha Rungyaem, KANJANAPAN SUKVICHAI, Teera Phatrapornnant, "The 3-dimensional Plant Organs Point Clouds Classification for the Phenotyping Application based on CNNs.", The 12th International Conference on Advances in Information Technology (IAIT2021) (2021) - Kanittha Rungyaem, KANJANAPAN SUKVICHAI, Teera Phatrapornnant, Amares Kaewpunya, Shoichi Hasegawa, "Comparison of 3D Rice Organs Point Cloud Classification Techniques", 25th International Computer Science and Engineering Conference (ICSEC2021) (2021) - Chaitat Utintu, Kanut Thammaruksa, Prakarn Jaroonsorn, Sirawat Soksawatmakim, Natthasit Wongsirikul, KANJANAPAN SUKVICHAI, "6D Valves Pose Estimation based on YOLACT and DenseFusion for the Offshore Robot Application", 2022 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON) (2022) - Kan Yajai, KANJANAPAN SUKVICHAI, Noppanut Thongton, "Kinetics Analysis of a Flapping Wing UAV based on the Four Bar Linkages Mechanism", 2022 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON) (2022) - Paisarn Kaewket, KANJANAPAN SUKVICHAI, "Investigate GPS Signal Loss Handling Strategies for a Low Cost Multi-GPS system based Kalman Filter", 2022 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON) (2022) - Tanapon Kitmuti, KANJANAPAN SUKVICHAI, Shoichi Hasegawa, Apichart Intarapanich, "Design of a Respiration Imitator for a Breathable Soft Robot", 2022 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON) (2022) 	

ข้อมูลอาจารย์มหาวิทยาลัยเกษตรศาสตร์

ชื่อ นายกาญจนพันธุ์ สุขวิชชัย ตำแหน่งทางวิชาการ รองศาสตราจารย์	สังกัด ภาควิชาวิศวกรรมไฟฟ้า คณะวิศวกรรมศาสตร์
<ul style="list-style-type: none"> - Nithid Mahattansin, KANJANAPAN SUKVICHAI, Pished Bunnun, Tsuyoshi Isshiki, "Improving Relocalization in Visual SLAM by using Object Detection", 2022 19th International Conference on Electrical Engineering/Electronics, Computer, Telecommunications and Information Technology (ECTI-CON) (2022) - KANJANAPAN SUKVICHAI, Noppanut Thongton, Kan Yajai, "Implementation of a Monocular ORB SLAM for an Indoor Agricultural Drone", The 2023 3rd International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics (2023) - Sittiporn Tantiborirak, KANJANAPAN SUKVICHAI, Chanunya Loraksa, "Development of a Tomato Fruit Anomalies Detector for a Small Greenhouse Drone Application", The 2023 3rd International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics (2023) - Aomsup Panlima, KANJANAPAN SUKVICHAI, "Investigation on MLP, CNNs and Vision Transformer models performance for Extracting a Human Emotions via Facial Expressions", The 2023 3rd International Symposium on Instrumentation, Control, Artificial Intelligence, and Robotics (2023) 	
อนุสิทธิบัตร <ul style="list-style-type: none"> - อนุสิทธิบัตรงานวิจัย ปี 2563 เรื่อง "หุ่นยนต์ดำน้ำ" จาก กรมทรัพย์สินทางปัญญา - อนุสิทธิบัตรงานวิจัย ปี 2563 เรื่อง "หุ่นยนต์เตะฟุตบอล" จาก กรมทรัพย์สินทางปัญญา 	
รางวัลผลงานนำเสนอในการประชุมวิชาการ <ul style="list-style-type: none"> - Best Paper Award ประจำปี 2559 เรื่อง "Optimal Robust Controller for a BallRiding Robot" จาก The Institute of Electronics and Information Engineers (IEIE), Korea The Institute of Electronics, Information and Communication Engineers (IEICE), Japan The Electrical Engineering / Electronics, Computer, Telecommunications and Information Association, Thailand - Best Paper Award Bronze Prize ประจำปี 2559 เรื่อง "Design of a Fuzzy Logic Adaptive Optimal Robust Controller for a BallRiding Robot" จาก The Institute of Electronics and Information Engineers (IEIE) & IEEE - Best Paper Award ประจำปี 2560 เรื่อง "Design of the Multitasks Multiprocessors System for an Underwater Robot" จาก มหาวิทยาลัยเกษตรศาสตร์, มหาวิทยาลัยธรรมศาสตร์ (SIIT), Tokyo Institute of Technology (ญี่ปุ่น), สวทช และ IEEE Thailand Section - Best Paper Award ประจำปี 2561 เรื่อง "Hidden Dot Patterns Recognition using CNNs on Raspberry Pi Zero W" จาก Thai Embedded Systems Association (TESA), Tokyo Institute of Technology (Japan), Faculty of Engineering in cooperation with Embedded System R&D Group Khon Kaen University, Sirindhorn International Institute of Technology Thammasat University, Rajabhat Mahasarakham University, Kasetsart University - Best Paper Award Control and Robotic ประจำปี 2565 เรื่อง "Investigate GPS Signal Loss Handling Strategies for a Low Cost MultiGPS system based Kalman Filter" จาก ECTI, IEEE - Best Paper Award ประจำปี 2566 เรื่อง "Implementation of a Monocular ORB SLAM for an Indoor Agricultural Drone" จาก IEEE, ECTI, IAIT, TRS, IEEE-CSST 	

ผลงานวิจัยนี้เป็นรายการรวบรวมระหว่างปี 1 มกราคม 2551 - 27 เมษายน 2567