



## Staff Awards and Success News

7 research projects from ICT Mahidol won 'National Research Award, Fiscal Year 2024', held by the National Research Council of Thailand (NRCT)



The Faculty of Information and Communication Technology, Mahidol University (ICT Mahidol) would like to extend its congratulations to its instructors, students, and alumni, as their 7 research projects have been awarded the 'National Research Award for Fiscal Year 2024' by the National Research Council of Thailand (NRCT). This announcement was made on October 6, 2023.

The papers which received awards are as follows:

### Outstanding Research Awards in Information Technology and Communication Arts:

- Research entitled, “ A Retrospective Study of 3D Deep Learning Approach Incorporating Coordinate Information to improve the Segmentation of Pre- and Post-operative Abdominal Aortic Aneurysm” by Prof. Dr. Thanongchai Siriapisith, M.D., Department of Radiology, the Faculty of Medicine Siriraj Hospital, together with Prof. Dr. Peter Haddawy, Deputy Dean for Research,



as well as Assoc. Prof. Dr. Worapan Kusakunniran, ICT Mahidol Instructor and Head of Machine Vision and Information Transfer Research Lab (MVIT Lab), ICT Mahidol

- **Research entitled, “Simulation of Scene Generator and Dogs Walking Habit in Canine Rabies Epidemic and Control”** by Assoc. Prof. Dr. Worapan Kusakunniran, ICT Mahidol Instructor and Head of Machine Vision and Information Transfer Research Lab (MVIT Lab), ICT Mahidol, together with Assoc. Prof. Dr. Anuwat Wiratsudakul, DVM., Department of Clinical Sciences and Public Health, the Faculty of Veterinary Science, Mahidol University, Assoc. Prof. Dr. Kansuda Leelehapongsathon, DVM., the Faculty of Veterinary Medicine, Kasetsart University, Dr. Weerapong Thanapongtharm, DVM., Expert in the Control of Zoonotic Diseases (Rabies), Bureau of Disease Control and Veterinary Services, Department of Livestock Development, Ministry of Agriculture and Cooperatives, Mr. Jirawat Jiwattanakul, Mr. Chawapat Youngjitikornkun, Alumni of M.Sc. in Game Technology and Gamification, ICT Mahidol
- **Research entitled, “COVID-19 Detection and Heatmap Generation in Chest X-Ray Images)”** by Prof. Dr. Thanongchai Siriapisith, M.D., Department of Radiology, the Faculty of Medicine Siriraj Hospital, together with Assoc. Prof. Dr. Worapan Kusakunniran, ICT Mahidol Instructor and Head of Machine Vision and Information Transfer Research Lab (MVIT Lab), ICT Mahidol, Assoc. Prof. Trongtum Tongdee, Assoc. Prof. Dr. Pairash Saiviroonporn, Department of Radiology, the Faculty of Medicine Siriraj Hospital, Miss Punyanuch Borwarnginn, and Mr. Krittanat Sutassananon, Ph.D. students in Computer Science, ICT Mahidol, as well as Dr. Sarattha Karnjanapreechakorn, Alumnus of Ph.D. in Computer Science, ICT Mahidol

#### Outstanding Dissertation Awards in Information Technology and Communication Arts:

- **Thesis entitled, “Accelerating MR Imaging Using Deep Learning on Spatial Frequency Data”** by Dr. Sarattha Karnjanapreechakorn, Alumnus of Ph.D. in Computer Science, ICT Mahidol, under main supervision of Assoc. Prof. Dr. Worapan Kusakunniran, ICT Mahidol Instructor and Head of Machine Vision and Information Transfer Research Lab (MVIT Lab)



- Thesis entitled, “Learning from Biosignals” by Dr. Akara Supratak, ICT Mahidol Instructor, under main supervision of Prof. Dr. Yike Guo, Department of Computing, Imperial College London

#### Honorable Mention in Invention Awards

- Information Technology and Communication Arts Category: “Computer Vision Based Interactive Application to Improve Eye-hand Coordination Skill in Occupational Therapy” by Assoc. Prof. Dr. Worapan Kusakunniran, ICT Mahidol Instructor and Head of Machine Vision and Information Transfer Research Lab (MVIT Lab), Mr. Pantakorn Sathapanasakul, Mr. Donlawat Sasawattecha, as well as Mr. Akkarapong Sirilertsoontorn, Alumni of B.Sc. in Information and Communication Technology (ICT International Program), Batch 17, ICT Mahidol
- Education Category: “AIThaiGen: AI Learning Platform” by Assoc. Prof. Dr. Panrasee Ritthipravat, Department of Biomedical Engineering, together with Assoc. Prof. Dr. Worapan Kusakunniran, ICT Mahidol Instructor and Head of Machine Vision and Information Transfer Research Lab (MVIT Lab), Mr. Cheunchat Songsakpuppachok and Mr. Zaw Htet Aung, students of the Faculty of Engineering, Mahidol University

To see the results of the “National Research Award, Fiscal year 2024”, please visit:

<https://www.nrct.go.th/news/pr/ประกาศผลการพิจารณารางวัลการวิจัยแห่งชาติ-2567>

Source: <https://www.ict.mahidol.ac.th/nrct-research-award-2024/>