



Curriculum Vitae

NAME Nikorn Sirivongpaisal	CURRENT ADDRESS Department of Industrial and Manufacturing Engineering, Faculty of Engineering, Prince of Songkla University	
POSITION TITLE Associate Professor		
E-mail address: nikorn.s@psu.ac.th		

EDUCATION/TRAINING

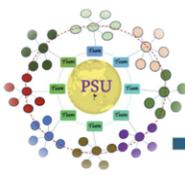
INSTITUTION AND LOCATION	DEGREE	YEAR	FIELD OF STUDY
The University of Texas at Arlington, Arlington, Texas, USA.	Ph.D.	1999	Industrial Engineering
Lamar University, Beaumont, Texas	M.Em.	1995	Engineering Management
Prince of Songkla University	B.Eng.	1992	Industrial Engineering

POSITIONS AND EMPLOYMENT

2006-Present	Associate Professor, Department of Industrial and Manufacturing Engineering, Prince of Songkla University
2003-2006	Assistant Professor, Department of Industrial and Manufacturing Engineering, Prince of Songkla University
1999-2003	Lecturer, Department of Industrial and Manufacturing Engineering, Prince of Songkla University
1992-1994	Field Inspector, The Shell Company of Thailand

COMMITTEE

INTERNATIONAL CONSULTANCY



SCHOLARSHIP AND AWARDS

RESEARCH AND PROJECT AWARDS AS PRINCIPAL INVESTIGATOR:

- Project: A Development of a Backhauling Platform for 3PLs' Service Sharing in the Southern Transportation Route, Funding Agency: PMUC, Year 2024, Amount: 2,175,140 THB
- Project: Design and development of decision support system for export durian farmers under climate change, Funding Agency: National Research Council of Thailand (NRCT), Year 2023, Amount: 1,123,000 THB
- Project: A platform for supply chain management of rubber wood biomass, Funding Agency: Rubber Authority of Thailand (RAOT), Year 2023, Amount: 1,193,544 THB

ORGANIZING INTERNATIONAL WORKSHOPS OR MEETINGS

Date	Topics
Nov 10-14, 2024	The 24 th Asia-Pacific Industrial Engineering and Management Systems Conference (APIEMS 2024)

SERVING AS AN INTERNATIONAL REVIEWER:

POSTGRADUATE ADVISORY:

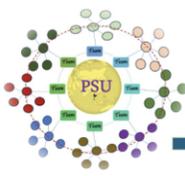
COMPUTER SKILLS

SCOPUS H INDEX

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SELECTED PUBLICATIONS (PAST 3 YEARS):

- Sirirat Suwatharachaitiwong, Nikorn Sirivongpaisal, Thattapon Surasak, Nattagit Jiteurtragool, Laksiri Treeranurat, Aree Teeraparbseeree, Phattara Khumprom, Sirirat Pungchompoo and Dollaya Buakum, "Machine Learning-Driven Preventive Maintenance for Fibreboard Production in Industry 4.0" International Journal of Advanced Computer Science and Applications(IJACSA), 16(3), 2025. <http://dx.doi.org/10.14569/IJACSA.2025.0160392>



- Khunjun, N., Sirivongpaisal, N., Rodchom, P. *et al.* “Multiple-response surface optimization of IMCs layer in Au–Sn laser transmission bonding process” *Int J Adv Manuf Technol* 135, 3649–3671 (2024). <https://doi.org/10.1007/s00170-024-14633-1>
- Sutam, E. D.; Pei, . F. L.; Jia , J. T.; Muhammad, N. A. .; Ab-Samat, H. .; Jeng , F. C.; Prakash, J. .; Muhammad, N.; Sirivongpaisal, N. .”A Comparative Study on User Satisfaction from Manual to Online Information System Using Define-Measure-Analyze-Improve-Control (DMAIC) in Service Administrative Process” *Jour. of Adv. Res. Design* 2024, 122, 27-45.
- Noeikham P, Buakum D, Sirivongpaisal N. “Architecture designing of digital twin in a healthcare unit” *Health Informatics Journal*. 2024;30(4). doi:10.1177/14604582241296792
- Hathairat Poomisirisawat, Sirirat Suwatcharachaitiwong and Nikorn Sirivongpaisal “An Integrated Approach for Designing Healthcare Facilities with a Location-Inventory Model” *Science & Technology Asia*. 29, 2 (Jun. 2024), 53–62.
- [Khunjun, N.](#), [Sirivongpaisal, N.](#), [Deeying, J.](#), [Limsuwan, P.](#) “OPTIMIZATION OF PROCESS PARAMETERS IN LASER TRANSMISSION BONDING TO INCREASE THE SHEAR STRENGTH OF AU-SN (IMCS) JOINT” *Suranaree Journal of Science and Technology*, 2024, 31(3), 030200
- Phoengmak, W., Sirivongpaisal, N., Sridach, W., Naemsai, T., & Thongkaew, K. “Effects of the precooling process on the preservation of fresh-cut durian” *Journal of Food Process Engineering*. 2023; 46(12), e14463. <https://doi.org/10.1111/jfpe.14463>

SOURCES: