



Personal Information

Name Naruemon Intarat
Date of Birth 31 July 1991
Place of Birth Chumphon Province, Kingdom of Thailand
Gender Female
Marital Status Single
Nationality Thai
Race Thai
Religion Buddhist

Lecturer of Mechanical Engineering, Engineering faculty, Thaksin University, Phatthalung
Campus, Thailand

Degree(s) B.Eng. (Mechanical Engineering)
M.Eng. (Mechanical Engineering)
Doc.Eng. (Power Engineering and Engineering Thermophysics)

Address 77/1 M.5, Kron, Sawi Chumphon, 86130, Thailand

Email naruemon.i@tsu.ac.th

Phone 093-6510882

Education History

1997-2002 Primary School; Banku school, Chumphon, Thailand
2003-2008 High School; Sawiwittaya School, Chumphon, Thailand
2009-2012 Mechanical Engineering, Bachelor of Engineering; Prince
of Songkla University, Hatyai Campus, Songkhla, Thailand
2013-2015 Mechanical Engineering, Master of Engineering; Prince
of Songkla University, Hatyai Campus, Songkhla, Thailand
2016- 2022 Power Engineering and Engineering Thermophysics, Doctor
of Engineering; Harbin Engineering University, Harbin,
China

Experience

2013-2015	Research assistant; Research assistant of Biodiesel research group; Prince of Songkla University, Hatyai Campus, Songkhla, Thailand
April 2016 - July 2016	Lecturer of Mechanical Engineering faculty; Thaksin University, Phatthalung Campus, Thailand
2016- June 2022	Research assistant; Research assistant of Diesel and Combustion research group; Harbin Engineering University, Harbin, Heilongjiang, China
September 2022 - present	Lecturer of Mechanical Engineering faculty; Thaksin University, Phatthalung Campus, Thailand

Academic work

Naruemon Intarat, Krit Somnuk, Thanansak Theppaya and Gumpon Prateepchaikul. (2014). "Acid Value Reduction Process in Mixed Crude Palm Oil by Using Low-Grade Ethanol," The 2014 1st International Conference on Advanced Materials, Structures and Mechanical Engineering (AMSME 2014). 3-4 May 2014. Incheon Disaster Prevention Centre, Incheon National University, Korea. Advanced Materials Research. Vols. 1025-1026, pp. 677-682.

Naruemon Intarat, Krit Somnuk, Thanansak Theppaya and Gumpon Prateepchaikul. (2015). "Biodiesel production with esterification reaction from crude palm oil, high quality free fatty acids with ethanol," The 2015 8th academic seminar on alternative energy models to the community of Thailand. 4-6 November 2015. Faculty of Engineering Rajamangala University of Technology Thanyaburi, Thailand.

Naruemon Intarat. (2016). "Ethyl Ester Production from High Free Fatty Acid Mixed Crude Palm Oil by Two-stage Circulation Process Using Static Mixer," Master Thesis, Prince of Songkla University, Hat Yai Campus, Thailand.

Intarat Naruemon, Long Liu, Qihao Mei and Xiuzhen Ma, Investigation on an injection strategy optimization for diesel engines using a one-dimensional spray model, *Energies* 2019, 12(21), 4221; <https://doi.org/10.3390/en12214221>.

- Intarat Naruemon, Long Liu, Dai Liu, Xiuzhen Ma, Characteristics of diesel spray with varying injection rate, Proceedings of the ASME 2019, Internal Combustion Engine Division Fall Technical Conference, ICEF2019., October 20-23, 2019, Chicago, IL, USA, ICEF2019-7242.
- Intarat Naruemon, Long Liu, Dai Liu, Xiuzhen Ma and Keiya Nishida, An analysis on the effects of the fuel injection rate shape of the diesel spray mixing process using a numerical simulation, Applied Sciences. 2020, 10, 4983; doi:10.3390/app10144983.
- Intarat Naruemon, Long Liu, Qihao Mei, Yue Wu, Xiuzhen Ma and Keiya Nishida, Investigating the effect of split injection with different injection rates on diesel spray mixing. Frontiers in Energy Research, section Advanced Clean Fuel Technologies. 10:933591;doi:10.3389/fenrg.2022.933591.
- Intarat Naruemon. (2022). "Investigation of Injection Rates Shape Effect on Diesel Spray and Combustion," A Dissertation for the Degree of Doctor of Philosophy in Power and Energy Engineering, Harbin Engineering University, Heilongjiang, China.
- Qihao Mei, Intarat Naruemon, Long Liu, Yue Wu and Xiuzhen Ma, Numerical investigation on the combustion and emission characteristics of diesel engine with flexible fuel injection. Machines 2023, 11(1), 120; doi.org/10.3390/machines11010120.
-