

# Ponkris Klaywittaphat

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## Education

- Ph.D. (Mechanical Engineering), Sirindhorn International Institute of Technology, Thammasat University, 2016
- M.Sc. (Physics), Thaksin University, 2010
- B.Eng. (Mechanical Engineering),  
King Mongkut's University of Technology North Bangkok, 2005



## Research Interest

Renewable energy



## Publications

- Klaywittaphat, P. (2014). “Study of L-H transition triggered by pellet injections based on a power threshold model,” Plasma Physics Reports. 40(10), 790.
- Klaywittaphat, P. (2012). “Scaling of the density peak with pellet injection in ITER,” Plasma Physics Reports. 14(12), 1035.
- Klaywittaphat, P. (2012). “Simulations of plasma behavior during pellet injection in ITER,” Plasma Physics Reports. 38(6), 496.
- Klaywittaphat, P. (2010). “Study of NGS pellet ablation rate in ITER based on two different pellet ablation rate models using 1.5D BALDUR code,” Thammasat International Journal of Science and Technology. 15(4), 49.



## Conference Proceeding

- Klaywittaphat, P. (2014). “Formation of internal transport barrier in tokamak triggered by pellet injection,” Proceedings of the 41st EPS Conference on Plasma Physics. 23-27 June 2014, Berlin, Germany.
- Klaywittaphat, P. (2012). “Pellets trigger L to H-mode transitions in ITER,” Proceedings of 2012 International Symposium on Technology for Sustainability (ISTS 2012) [CD-ROM]. 21-24 November 2012, Bangkok, Thailand.
- Klaywittaphat, P. (2011). “Effect of magnetic field on pellet penetration and deposition in ohmic Tore Supra discharges,” Proceedings of 38th EPS Conference on plasma Physics (EPS 2011). 27 June - 1 July 2011, Strasbourg, France.
- Klaywittaphat, P. (2010). “Simulation of ITER plasma during pellet injection,” Proceedings of the First TSME International Conference on Mechanical Engineering (TSME-ICoME 2010). 20 – 22 October 2010, Ubon Ratchathani, Thailand.