

## Biographical Data

Institute of Engineering,  
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อาจารย์ ดร.ภูษิต มิตรสมหวัง  
**Dr.Pusit Mitsomwang**

### Education and Competence:

2011-2014 D.Eng. (Information Science and Control Engineering)  
Nagaoka University of Technology  
2008-2010 M.Eng. (Metallurgical Engineering)  
Suranaree University of Technology  
2005-2008 B.Eng. (Metallurgical Engineering)  
Suranaree University of Technology

### Present Position:

Lecturer, Suranaree University of Technology

### Work Experiences:

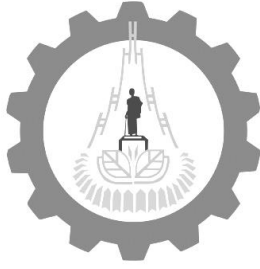
2010-Present Lecturer at School of Metallurgical Engineering,  
Suranaree University of Technology  
2008-2010 Teaching assistance, School of Metallurgical Engineering,  
Suranaree University of Technology

### Association Member:

- Member, Thai Heat Treating Association

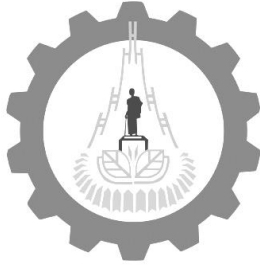
### Research areas:

Forging of metals, Forming of sheet metals, Computer simulation for material processing, Forming of packaging materials, resin sheets and paperboard



## Publications:

1. P. Mitsomwang, **R. Borrisutthekul**, U. Kitkamthorn and S. Nagasawa “Investigation of Strain Hardening in Aluminum Alloy Sheared Sheet Based on Micro Hardness Measurement and Finite Element Analysis” The 9<sup>th</sup> International Conference on Leading Edge Manufacturing in 21st Century (LEM21) November 13-17, 2017, Hiroshima, Japan.
2. P. Mitsomwang, **R. Borrisutthekul**, K. Klaiw-awoot and A. Pattalung “Experimental and Numerical Investigations of Applying Tip-bottomed Tool for Bending Advanced Ultra-high Strength Steel Sheet” AMRMT 2017, IOP Conf. Series: Materials Science and Engineering 229 (2017) 012012 doi:10.1088/1757-899X/229/1/012012.
3. M. Kojima, **P. Mitsomwang**, S. Nagasawa (2016) “Effect of Cutting Tip Angle on Cutting Characteristics of Acrylic Worksheet Subjected to Punch/Die Shearing” AIMS Materials Science, Vol. 3(4), pp. 1728-1747.
4. **P. Mitsomwang** and S. Nagasawa (2015) “Effects of shearing parameters on cutting characteristics of polycarbonate sheet subjected to straight punch/die shearing, Journal of Material Processing Technology, Vol. 220, pp. 46–57.
5. **P. Mitsomwang** and S. Nagasawa (2014) “Effect of mechanical conditions on cutting characteristics of polycarbonate sheet subjected to straight punch/die shearing” Procedia Engineering, Vol. 81, pp. 1145-1150.
6. **P. Mitsomwang** and S. Nagasawa, (2014) “Cutting characteristics of white-coated paperboard subjected to straight punch/die shearing under overlapped clearance”, Journal of Advanced Mechanical Design, Systems and Manufacturing, Vol. 8, No. 3, pp. 1-11.



7. **P. Mitsomwang**, S. Nagasawa, H. Kuroiwa, and Y. Fukushima (2014) “Deformation analysis of silicone rubber sheet subjected to keen WC blade indentation, Int. Journal of Automation Technology” Vol. 8, No. 5, pp.761-772.
8. **P. Mitsomwang**, S. and Nagasawa, (2014) “Effect of overlapped clearance on out-of-plane cutting characteristics of white-coated paperboard subjected to straight punch/die shearing” Transaction on GIGAKU, Vol. 2 No. 1, pp. 1-8.
9. S. Nagasawa, Y. Komiyama and **P. Mitsomwang**, Finite element analysis of corrugated board on rotary creasing process, Journal of Advanced Mechanical Design, Systems and Manufacturing, Vol. 7, No. 2, 2013, pp. 103-114.
10. **P. Mitsomwang**, and S. Nagasawa, Cutting behavior of acrylic thick sheet subjected to squared punch shearing, Journal of Chemistry and Chemical Engineering, Vol. 7, No.7, 2013, pp. 653-665.
11. **P. Mitsomwang**, S. and Nagasawa, (2013) “Cutting behavior of acrylic thick sheet subjected to squared punch shearing, Journal of Chemistry and Chemical Engineering, Vol. 7, No.7, pp. 653-665. underlay stiffness on cutting profile of polycarbonate sheet during wedge indentation process, Journal of Advanced Mechanical Design, Systems and Manufacturing, Vol. 6, No. 7 , 2012, pp. 1168-1179.
12. **ภูษิต มิตรสมหวัง** และ รัตน บริสุทธีกุล. อิทธิพลของระยะห่างระหว่างปลายอิเล็กโทรดถึงผิวชิ้นงานเชื่อมต่อต่อคุณภาพของชิ้นงานเชื่อมเหล็กกล้าไร้สนิมแผ่นบางด้วยกระบวนการเชื่อมแก๊สทั้งสแตนอาร์คเวลดึง. วารสารการเชื่อมไทย. (53): 9-14
13. **ภูษิต มิตรสมหวัง** และ รัตน บริสุทธีกุล. อิทธิพลของตัวแปรงานเชื่อมต่อคุณภาพของรอยเชื่อมโลหะแผ่นต่างชนิดระหว่างเหล็กกล้ากับโลหะผสมอะลูมิเนียมเกรด 5052-H32. วารสารการเชื่อมไทย. (52): 13-18
14. **ภูษิต มิตรสมหวัง** และ รัตน บริสุทธีกุล. การเชื่อมโลหะแผ่นต่างชนิดระหว่างเหล็กกล้ากับอะลูมิเนียมผสมเกรด 5052. วารสารการเชื่อมไทย. (51): 21-25

#### Awards:

The Best Presentation Awards “2016 International Conference on Advanced Materials Research and Manufacturing Technologies, August 18-20, 2016, Singapore”