

## Biographical Data

Institute of Engineering,  
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อาจารย์ ดร.ปัญญา บัวชมบุรา  
**Dr. Panya Buahombura**

### Education and Competence:

2011-2014 D.Eng. (Materials Science)  
Nagaoka University of Technology, Japan  
2004-2006 M.Eng. (Metallurgical Engineering)  
Chulalongkorn University  
1995-1998 B.Eng. (Metallurgical Engineering)  
Suranaree University of Technology

### Present Position:

Lecturer, Suranaree University of Technology

### Work Experiences:

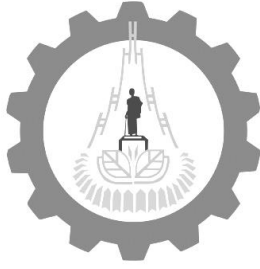
2010-Present Lecturer at School of Metallurgical Engineering,  
Suranaree University of Technology  
2006-2008 Process Engineers, Nakornthai Strip Mill (Public) Co., Ltd.  
1999-2002 Process Engineers, Burapha Lek Kla Co., Ltd.

### Association Member:

Member, Thai Heat Treating Association

### Research areas:

Fatigue Properties and Fatigue Crack Growth of Materials, Friction Stir  
Welding, Casting Technology, Iron and Steel Making, Physical Metallurgy  
of Steels, High Temperature Materials, Extractive Metallurgy, Metals and  
Materials Recycling



### Publications:

1. L. Sriksang, S. Khumkoa, **P. Buahombura**, and N. Akkarapattanagoon, "A Study on Recycling of Tin from Solder Wire Scrap by Electrorefining" The 7<sup>th</sup> International Congress on Engineering and Information (ICEAI2017), 9-11 May 2017, Kyoto, Japan, pp. 270-278.
2. W. Piyawit, **P. Buahombura** (2017) "Observation of Ag precipitate in CuAgZr alloy during In-Situ high temperature TEM", Solid State Phenomena, Vol. 263, pp. 50-54.
3. W. Piyawit, **P. Buahombura**. "Microstructural Investigation of CuAgZr alloy processed by severe plastic deformation", 11<sup>th</sup> Asia-Pacific Microscopy Conference, 2016, Phuket, Thailand.
4. **P. Buahombura**, Y. Miyashita, Y. Otsuka, Y. Mutoh and S. Nobushiro (2014) "Fatigue Crack Growth Behavior of FSWed Joint Joined with a Bobbin Type Tool in Different Aluminum Alloys" Applied Mechanics and Materials, Vol. 446-447, pp. 32-39.
5. **P. Buahombura**, Y. Miyashita, Y. Otsuka, Y. Mutoh and S. Nobushiro (2013) "Fatigue crack growth behavior in weld nugget zone of FSWed similar and dissimilar aluminum alloys joints", IJS-JW Friction Based Welding and Processing, ISBN: 978-1-78242-163-4, Woodhead Publishing pp. 225-230.