**Venue and Contact**

Design @ Eng  
5th Floor, School of Mechanical and Manufacturing Engineering  
The University of New South Wales  
Gate 14, Barker Street  
Kensington, Sydney – Australia

The workshop is free of charge.

**RSVP:** Email Dr Suphunnika Ibbotson at suphunnika@unsw.edu.au, your name, affiliated organization and any dietary requirements by Monday June 6th 2011.

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**Assoc. Prof. Sami Kara**  
The University of New South Wales  
Life Cycle Engineering and Management Research Group  
School of Mechanical and Manufacturing Engineering  
Tel.: +61 (2) 9385 5757  
E-mail: s.kara@unsw.edu.au

**PD Dr.-Ing. Christoph Herrmann**  
Technische Universität Braunschweig  
Institute of Machine Tools and Production Technology  
Product- and Life-Cycle-Management Research Group  
Tel.: +49 (0) 531 391 7149  
E-Mail: c.herrmann@tu-bs.de

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http://www.sustainable-manufacturing.com
Background

Manufacturing is the transformation of inputs like material and energy into tangible outputs in terms of products. Thus, it is a value consuming and creating process at the same time.

Economic (e.g. rising prices for energy and resources, potential lack of strategic resources) and environmental (e.g. connected green house gas emissions) drivers are more and more forcing manufacturing companies to consciously consider their energy and resource flows.

The Joint German-Australian Research Group is a synergetic cooperation of the Life Cycle Engineering & Management Research Group at the University of New South Wales (UNSW) and the Product- and Life-Cycle-Management Research Group from Technische Universität Braunschweig in Germany. The collaborative research group aims at developing appropriate concepts to encounter global challenges in the context of Sustainable Manufacturing and Life Cycle Management. Based on the work of the Joint German Australian Research Group, this workshop aims at giving stakeholders an overview of the latest development around the world in relation to energy and resource efficiency in manufacturing.

We look forward to welcoming you to our workshop!

Agenda

9:30am  Registration and morning Tea
10:00am  Welcome address  
TBA
10:10am  Energy and Resource Efficiency in Manufacturing – the Australian Perspective  
A/Prof. S. Kara, UNSW, Sydney
10:30am  Energy and Resource Efficiency in Manufacturing – the German Perspective  
A/Prof. C. Herrmann, IWF TU Braunschweig
10:50am  Life Cycle Assessment as a Tool Towards Sustainability in Manufacturing  
Dr. T. Dettmer, IWF TU Braunschweig
11:10am  Embodied Energy in Global Supply Chains  
Dr. S. Ibbotson, UNSW, Sydney
11:30am  A systematic Approach Towards Energy Efficiency in Manufacturing  
S. Thiede, IWF TU Braunschweig
11:50am  An Industrial Case Study on Energy and Water Efficiency in Manufacturing  
B. Kornfeld, Baxter Healthcare
12:10pm  Discussion
12:30pm  Light lunch will be served.