**Advance in Sustainable Manufacturing Automation**

Congbo Li\*, Ying (Gina) Tang, Xinyu Li, YING LIU

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**Abstract**

A great deal of attention is being paid today to the development of effective scientific and engineering solutions for achieving sustainable manufacturing. The driving factors are not only rising energy costs and growing shortage of natural resources but also green behavior for EU directives and ISO 14001 certification. This interest has received the wide concerns in industries,

governments and academia to the sustainable development. This invited session aims at presenting the advanced theoretical development and applications in this area, and bringing academy and industry practitioners to discuss promising problems with international concerns.