As the earth resources get scarcer every day, sustainability has become a critical objective in everything we do. This special issue is compiled of related papers presented at Portland International Conference on Management of Engineering and Technology held in 2010. The papers provide applications of technology management targeting sustainability.

There are seven papers in this issue. The first one by Ardilio and Warschat introduces a strategic technology management method. It helps small to medium sized companies manage ambiguity in technology development. The second paper by Camargo et al. integrates real options and scenarios approaches for the evaluation of fuel alternatives for the Brazilian auto industry. Bin and Chuan explore the implications of intellectual property protection approaches in companies offering products or services and report that company type does not impact the type of approach used. Fourth paper by Taddese and Osada study the winners of the Deming Prize from India and Thailand. They conclude that Total Quality Management contributes to the sustainable development of developing countries. Following paper by Dawelbait et al present a bibliometric analysis of power generation and desalination. Patanakul and Omar provide an insight into managing large scale government information technology projects. Their results provide a good set of guidelines for similar projects in other parts of the world. Finally Benton et al. demonstrate a sustainable remote education model.

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