

## Environmental Research, Technology Demonstration and Conference Project

<b>Project Number:</b>	ECF 02/2018
<b>Project Title:</b>	The 3rd International Conference on Bioresources, Energy, Environment, and Materials Technology 2019 (BEEM2019)
<b>Principal Investigator:</b>	Dr TSANG Chiu Wa, Daniel, Department of Civil and Environmental Engineering, The Hong Kong Polytechnic University
<b>Total Approved Grant:</b>	\$498,000 or 70% of the total actual expenditure, whichever would be the less
<b>Duration:</b>	2/1/2019 to 2/9/2019
<b>Project Status:</b>	Completed
<b>Project Scope:</b>	<p>Sustainable development has called for efficient bioresource utilisation, sustainable energy production, effective environmental remediation/management, and advanced material development. Researches and innovations are critical to satisfy these pressing needs. This Conference offers a timely opportunity to stimulate new research activities in technological and managerial advancement. Eminent academic researchers, industrial practitioners, green groups, and governmental departments from different sectors in the local and international context gathered to share scientific and technical inputs as well as political feedback through active discussion. The specific objectives of the conference are –</p> <ul style="list-style-type: none"> <li>(a). To encourage collaborations among academics, industrial sectors, green groups, and governmental bodies at local and international level to develop and exercise novel assessments and practices in fields;</li> <li>(b). To facilitate information exchange, knowledge transfer, and idea stimulation among overseas and local experts; and</li> <li>(c). To promote awareness and knowledge of bioresources, energy, environment and materials technology among stakeholders.</li> </ul>
<b>Summary of the Findings/Outcomes:</b>	<ul style="list-style-type: none"> <li>(a). The BEEM 2019 Conference, which was held at The Hong Kong Polytechnic University from 12 to 15 June 2019, hosted more than 200 participants from different international and local sectors including academic researchers, industrial practitioners, green groups, and governmental departments;</li> <li>(b). There were 154 oral and poster presentations delivered by the experts on the state-of-the-art efficient bio-resource utilization, sustainable energy production, effective environmental remediation / management, and advanced material development. A total of 76 Plenary, Keynote and Invited speakers from international and local governmental departments, research centres, and universities were invited and joined the Conference;</li> <li>(c). The Conference provided an excellent opportunity for local and international experts to meet, exchange information, and inspire new thoughts. Participants gathered to solicit scientific and technical inputs as well as political feedback during the Conference, which fostered the accomplishment of sustainable resource and energy use in Hong Kong.</li> </ul>

	<p>The Conference fostered collaboration among academics, industrial sectors, green groups, and governmental bodies at local and international level to devise or commercialize novel technologies. The Conference also promoted awareness and knowledge of efficient bioresource utilization, sustainable energy production, effective environmental remediation/management, and advanced material development;</p> <ul style="list-style-type: none"><li>(d). A site visit was organised to the Castle Peak Power Station run by the CLP to showcase the current energy generation status in Hong Kong;</li><li>(e). The Conference flyer and poster were distributed to relevant institutions. The proceeding was generated upon receipt of the abstracts from participants; and</li><li>(f). Special Issues of selected papers at the BEEM2019 conference for publication in three highly cited journals, including Environment International (Top 10% in Scopus CiteScore), Critical Reviews in Environmental Science and Technology (Top 10% in Scopus CiteScore), and Science of the Total Environment (Top 10% in Scopus CiteScore).</li></ul>
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