**Conference Summary**

**Opportunities and Challenges of Sustainable Development in the Pearl River Delta Bay Area under the Belt and Road Initiative**

The 8th Guangdong Hong Kong Macau Sustainable Development Conference will be hosted by the Hong Kong Institution of Engineers (HKIE), with Guangdong Provincial Association for Science and Technology and the Macau Institution of Engineers as joint organisers. The conference is jointly organised by the Environmental and Civil Divisions of HKIE. Since its inception in 2002, the Conference has become one of the most important cooperation platforms and a channel for sharing views and experiences among professionals, academics, policy makers and other stakeholders in Guangdong, Hong Kong and Macau.

The main theme of the Conference is **“Opportunities and Challenges of Sustainable Development in the Pearl River Delta Bay Area under the Belt and Road Initiative”**, The Belt and Road Initiative is an important strategy for China’s external and internal development. The Pearl River Delta Bay Area (PRD Bay Area) has become a major focus of future development and growth. The conference would cover five key development concepts: innovative development, coordinated development, open development, green development and shared development. The three objectives of development are economic vibrancy, environmental sustainability and social harmony. The conference would promote discussion on the future development trends and thinking in the PRD Bay Area under the Belt and Road Initiatives and the overall sustainable development master planning and challenges. It would also facilitate dialogue on the opportunities and challenges of sustainable development in various cities in PRD Bay Area. The conference also serves to promote cooperation and synergy on sustainable economy, transport, information and smart cities; environment and green development (air, water resources, green buildings); energy and climate change; and social development and the trends towards international standardisation and management."

As The Belt and Road Initiative is at the initial stage, the engineering community will work closely with the Hong Kong Government to take this forward. The Environment & Civil Divisions of the Hong Kong Institution of Engineers aim to raise the standards of major infrastructure under The Belt and Road Initiative, There are numerous infrastructure projects in progress, including railway, highway, and harbours, which would adopt the standards of the advanced countries. Hong Kong engineering industry can provide the consulting service and can be involved in the construction, operation management, meeting the needs of high-end service industry and promoting the green development and green lifestyle at the same time.

Guangdong Provincial Association for Science and Technology aims to accelerate the development of the PRD Bay Area under the Belt and Road Initiative, raise the efficiency of regional allocation of resources and build closer cooperation relationship among Guangdong province, Hong Kong and Macau as an important strategy. On the one hand, it would enhance the regional sustainable economic growth while building up development momentum reaching out to the nearby region and to strengthen the Belt and Road Initiative, with the PRD Bay Area as a focal point to create an open and comprehensive development pattern through “Land/Sea, Internal/External linkages” and “Openness to the East and West”.

Macau aims to provide a platform for exchange and deepen the co-operation among China, the Portuguese Speaking Countries and Macau, In order to support the diversification of the economy and strengthen the development of the adequate industrial sectors in Macau. Mainland China also agrees to enhance the cooperation in convention and exhibition sector. Besides, Mainland China fully supports and coordinates with Macau to hold International conferences and events. AEM would like to collaborate with the professional community to build a Lusophone Platform for cooperation among engineers in support of the social and economic development of China, Macau SAR and Portuguese-speaking countries.

The Belt and Road Initiative involve over sixty countries and emerging economies and complements the development in Guangdong, Hong Kong and Macau. We expect that the exchange among professionals and academics from Guangdong, Hong Kong and Macau would help to promote the development of the industry, meet the needs of societal, economic, environmental and sustainable development and prepare for future sustainable development opportunities and challenges.

 **研討會簡介**

**一帶一路下大灣區可持續發展機遇與挑戰**

粵港澳可持續發展研討會成立於二零零二年，由廣東省、香港以及澳門三地的資深工程師組成的委員會合力主辦。粵港澳三地一直有緊密的關係，自創辦以來，已成功舉辦了七屆，得到了粵港澳工程界、科技界乃至社會各界的廣泛認同和大力支持，加強粵港澳的交流與合作作出了積極貢獻。

是次第八屆會議由香港承辦；承辦單位分別是香港工程師學會的環境分部及土木分部。而合辦單位為廣東省科學技術協會及澳門工程師學會。會議將以創新發展、協調發展、開放發展、綠色發展及共享發展為大方向；經濟活力，環境可持續性和社會和諧為大灣區可持續發展三個平衡目標，以七大範疇作為討論重點，包括﹕一帶一路大灣區未來發展趨勢及思路；珠江三角州在十三五計劃的未來發展路向；世界國際于大灣區發展與機遇；可持續發展總體規劃及挑戰;各地面對的可持續發展和合作機遇與戰略;可持續的經濟發展、交通、物流、訊息/智慧城市、人流、環境及綠色發展（空氣，水，綠色建築）、 能源供應及使用;及氣候變化的機遇與挑戰、社會文化發展以及邁向可持續國際化的標準與管理。

目前「一帶一路」倡議雖然尚處於起步階段，許多細節仍需逐步落實，但業界將鼎力聯同香港特區政府攜手配合國家發展。香港工程師學會的環境分部及土木分部希望提升「一帶一路」沿線國家在大型基礎的建設，未來將有大量大型的基建工程，包括鐵路、公路和港口等，均會採用鄰近或西方先進國家的標準，並提高環境管理水平。而香港工程界可以為「一帶一路」沿線地區提供顧問服務和參與建設營運管理，帶動高端服務業的需求，同時推動綠色發展與綠色生活。

而廣東省則希望藉著透過一帶一路下加速“粵港澳大灣區”的發展，提高資源跨區域配置效率，建立更緊密粵港澳合作關係的重要戰略。一方面旨在提升區域經濟增長的可持續能力和輻射帶動能力，打造粵港澳大灣區，另一方面也是為了加強 “一帶一路”戰略，以大灣區建設為支點，打造「陸海內外聯動、東西雙向開放」的全面開放新格局。

澳門地區方面，澳門特區政府亦致力發揮聯繫中國與葡語國家的平台作用，加強及促進中國、葡語系國家和澳門的共同發展。為了支持澳門產業結構適度多元化發展，中國內地也同意投放在會展業上的合作，籍此加強雙方之間的工業合作及推動本地產業。此外，內地亦全力支持和配合澳門舉辦大型國際會議和展覽會。有見及此，澳門工程師學會亦不遺餘力，全力推動與工程專業相關的會議及展覽項目。澳門工程師學會冀成為一個葡語工程師平台，以加強彼此的恆常交流，並加以推動中國與葡語系國家之間的經濟及文化發展。

「一帶一路」沿線六十多個國家以新興經濟體為主，與粵港澳三地的互補性很強，我們期望透過是次研討會，使三地的精英互相交流合作，促進行業的發展，滿足社會，經濟、環保和可持續發展的需要，為將來可持續發展機遇與挑戰作出準備。

**HKIE 8th Guangdong Hong Kong Macau**

**Sustainable Development Conference 2016**

**Call for Abstracts**

Guangdong Hong Kong Macau Sustainable Development Conference was founded in 2002 by professional bodies from Guangdong Province, Hong Kong and Macao. Since its inception, it has been successfully held 7 times and has the widespread recognition and support from the engineering industry, scientific community and the social community, to strengthen exchanges and cooperation between Guangdong, Hong Kong has made a positive contribution. The 8th Sustainable Development Conference will be hosted by the Hong Kong Institution of Engineers (HKIE). The joint organisers of the conference are Guangdong Provincial Association for Science and Technology and the Macau Institution of Engineers.

The main theme of the Conference is **“Opportunities and Challenges of Sustainable Development in the Pearl River Delta Bay Area under the Belt and Road Initiative”**, The Belt and Road Initiative is an important strategy for China’s external and internal development. The Pearl River Delta Bay Area (PRD Bay Area) has become a major focus of future development and growth. The conference would cover five key development concepts: innovative development, coordinated development, open development, green development and shared development. The three objectives of development are economic vibrancy, environmental sustainability and social harmony. The conference would promote discussion on the future development trends and thinking in the PRD Bay Area under the Belt and Road Initiatives and the overall sustainable development master planning and challenges. It would also facilitate dialogue on the opportunities and challenges of sustainable development in various cities in PRD Bay Area. The conference also serves to promote cooperation and synergy on sustainable economy, transport, information and smart cities; environment and green development (air, water resources, green buildings); energy and climate change; and social development and the trends towards international standardisation and management."

**Theme: Sustainability and Challenges of the Belt and Road Initiative**

**Sub-topics:**

1. The Idea and development trend of The Belt and Road Initiative
2. The further development direction of the Pearl River Delta
3. Development and Opportunity of International Dawan district
4. The master plan & opportunity of Sustainable development
5. The challenge and opportunity we are facing
6. Strategy & Cooperation with other districts
7. Sustainable development on economic , transportation, IT, smart city and population
8. Sustainable development on environment and Green (air, water, green building)
9. Strategy & Challenge of Sustainable development on the supply and use of energy & climate change
10. Sustainable development on our culture
11. The standard & management of International Sustainable development
12. Development of Innovation, Coordination , openness, green and sharing

 **Format requirement:**

1. Language: Chinese / English
2. The summary of essay less than 400 words
3. Format: Digit file of Microsoft word 2003 or the latest vision

Simply Chinese: Font: Song; Font size (title):16; Font size (content): 12; Line Spacing: Single

Traditional Chinese: Font: Kai; Font size (title):16; Font size (content): 12; Line Spacing: Single

English: Font: Arial，Font size (Title):16; Font size (content): 12; Line Spacing: Single

**Key Dates:**

|  |  |
| --- | --- |
| Abstract Submission Deadline | 8 June 2016 (Friday)  |
| Notification of Acceptance of Abstracts | 17 June 2016 (Friday) |
| Full Paper Submission Deadline | 18 July 2016 ( Monday ) |

Please email the abstract to “**HKIE 8th Guangdong Hong Kong Macau Sustainable Development Conference 2016”** on or before 27 May 2016 (Tuesday) to Email address:hkieconference@creativegp.com。

The secretariat will inform the author whether the abstract was accepted on or before 17 June 2016. The authors have to submit the full paper on or before 18 July 2016. We will inform you separately for those presentations.

**Publishing**

All selected paper will record in the Conference Proceedings, Proceedings USB and the HKIE E-bookshelf. Manuscripts of papers generally will not be returned to the authors. Authors are reminded to keep a second copy of their paper for conference. Where the organiser may need to amend the content and format of the paper, authors are assumed to give consent and authorise the organiser to amend and publish the abstract and full presentation paper, and to include them in any conference publication.

**For any enquiries, please contact the Conference Secretariat:**

Ms Joanne Hui / Ms Tiffany Wong

Tel: +852 3159 2908 / +852 3159 2932

Email：hkieconference@creativegp.com

 **HKIE 8th Guangdong Hong Kong Macau**

**Sustainable Development Conference 2016**

**Reply Slip
(Please return it on or before 27 May 2016 to email:** hkieconference@creativegp.com)

|  |  |
| --- | --- |
| **Title** | [ ]  Prof [ ]  Dr [ ]  Ir [ ]  Mr [ ]  Mrs [ ]  Miss |
| **Name** |  |
| **Position** |  |
| **Topic** |  |
| **Organization / Company Name** |  |
| **Postal Address** |  |
| **Email** |  |
| **Tel** |  | **Fax** |  |
| **Sub-title*****(Please select)***  | [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ] [ ]  | The Idea and development trend of The Belt and Road Initiative The further development direction of the Pearl River DeltaDevelopment and Opportunity of International Dawan district The master plan & opportunity of Sustainable development The challenge and opportunity we are facing Strategy & Cooperation with other districts Sustainable development on economic , transportation, IT, smart city and populationSustainable development on environment and Green (air, water, green building)Strategy & Challenge of Sustainable development on the supply and use of energy & climate change Sustainable development on our culture The standard & management of International Sustainable developmentDevelopment of Innovation, Coordination , openness, green and sharing |
| **Summary** ***（within 400 words）*** |  |

 **SAMPLE PAPER FOR THE HKIE 8TH GUANGDONG HONG KONG MACAU**

**SUSTAINABLE DEVELOPMENT CONFERENCE 2016**

Stephen S T Chow

Environment Protection Department

The Government of the HKSAR

***Abstract:*** *The 8th Guangdong Hong Kong Macau Sustainable development conference 2016 organizes the conference on “Sustainability and Challenges of the Belt and Road Initiative” on 23 Sept 2016. Invited papers will be published in the seminar proceedings. The format required for publication is demonstrated in this sample paper. Perspective authors can also use this sample paper as a template in the preparation of their papers.*

**INTRODUCTION**

In general, the paper has to be camera-ready to facilitate publication and to minimize errors induced by unnecessary handling. The purpose of this sample paper is to illustrate the format requirements of the paper so as to produce seminar proceedings of uniform format with minimal editing.

# FORMAT REQUIREMENTS

The format requirements for the paper to be published in the seminar proceedings are outlined as follows.

##### General

General format requirements for the paper are as follows:

1. There should be a one-inch margin.
2. The font of the paper should be Arial 12 points.
3. SI units should be used throughout the paper.

**Paper Title**

The title of the paper should be concise and descriptive of the contents of the paper. The font size of the paper title should be 16 points, bold and all caps.

**Author(s)**

The font size of the author name(s), title(s) and affiliation(s) should be 12 points and title case.

**Abstract**

The abstract should be in Arial 12 points and italic. The abstract should be concise and preferably not more than 200 words.

**Main Heading**

There should be two empty lines before a main heading. The main heading should be 12 points, bold and all caps.

 **Sub-Heading**
There should be one empty line before a sub-heading. The sub-heading should be 12 points, bold and title case. **Figures and Tables**

Figures and tables should be clear and legible as they are. Axes should be clearly labeled for figures with proper units. Title of the figure should be placed underneath the figure and title of the table should be placed atop the table.

## OTHERS

If the authors choose to include an acknowledgement section, it should be placed after references. Any appendices should be given after the acknowledgement section.

## CONCLUSIONS

A sample paper is given to illustrate the required format for the papers to be published in the proceedings of the 8th Guangdong Hong Kong Macau Sustainable development conference 2016. Prospective authors are encouraged to follow the format so as to minimize the editorial effort required to produce a uniform proceedings.

**REFERENCES**

The reference section should appear at the end of the paper. Citation should be complete and correct.

#### **ACKNOWLEDGEMENTS**

The comments from the Organizing Committee of the 8th Guangdong Hong Kong Macau Sustainable development conference 2016 are gratefully acknowledged.

 **第八屆粵港澳可持續發展研討會**

**第一號通告:徵文通知**

粵港澳可持續發展研討會自2002年創辦以來，已成功舉辦了七屆，得到了粵港澳工程界、科技界乃至社會各界的廣泛認同和大力支持，為粵港澳工程界、科技界的友誼增進不少，亦加強粵港澳的交流與合作作出了積極的貢獻。

研討會由三地資深工程師組成的委員會合力主辦。而是次第八屆會議由香港承辦；承辦單位分別是香港工程師學會的環境分部及土木分部。而合辦單位為廣東省科學技術協會及澳門工程師學會。

今屆研討會的主題為**「一帶一路與大灣區可持續發展的機遇與挑戰」**。研討會將在2016年9月23日於香港舉行。研討會舉行後，有參觀考察安排於香港進行 (9月24日)。

本屆研討會為三地有關的學界、業界、政府機構等人士提供交流合作平台，藉以分享未來粵港澳於一帶一路下的發展服務，同時亦希望能促進產業發展，開拓市場和推動專業服務。本屆研討會希望借著研討會的深入交流合作，體現並發揮香港的獨特優勢，為在粵港澳工程界之間搭建一個綜合性、開放式的學術交流平台並持續鞏固拓展。

研討會的內容有主題報告和論文報告。為共同探討研討會的主題「一帶一路與大灣區可持續發展的機遇與挑戰」，現特向各有關企業、大專院校、科研單位、政府機構，設備生產商、專業學會、行業協會及有關各界，誠意徵集論文。

論文報告的內容可與以下各範疇相關︰

* 一帶一路大灣區未來發展趨勢及思路
* 珠江三角州在十三五計劃的未來發展路向
* 世界國際大灣區發展與機遇
* 可持續發展總體規劃及挑戰
* 各地面對的可持續挑戰與機遇
* 各地的合作機會及戰略
* 可持續的經濟發展、交通、物流、訊息/智慧城市及人流
* 可持續的環境及綠色發展（空氣，水，綠色建築）
* 可持續的能源供應與使用及氣候變化的挑戰與機遇
* 可持續的社會文化發展
* 邁向可持續國際化的標準與管理
* 創新發展、協調發展、開放發展、綠色發展及共享發展

**論文格式要求**︰

1. 語言︰中文 / 英文
2. 論文摘要須少於400字
3. 論文格式︰Microsoft Word 2003或更新版本的電子檔。

簡體中文︰簡體字型為宋體﹔標題大小為16，內文大小為12，採用單行間距

繁體中文︰繁體字型為標楷體﹔標題大小為16，內文大小為12，採用單行間距

英文 ︰Font: Arial，Font size (Title)︰ 16﹔ Font size (content)︰12，Line Spacing︰Single

**評審論文時間表**

|  |  |
| --- | --- |
| 論文摘要截止收集日期 | 2016年5月27日（星期五） |
| 評選論文摘要及通知作者結果 | 2016年6月17日（星期五） |
| 提交論文全文內容 | 2016年7月18日（星期一） |

請於2016年5月27日或之前以電郵提交論文摘要至「第八屆粵港澳可持續發展研討會」郵箱：hkieconference@creativegp.com。

秘書處將於2016年6月17日或之前通知投稿人論文是否被接納。作者需要於2016年7月18日或之前提交被接納的論文的全文。被接納的論文將會用於編制論文集。被安排作口頭報告的作者，將另行通知。

**編輯與出版**

論文集將收錄所有經挑選的論文，以書籍形式出版或製作光盤。論文稿件一般不退，請作者自留底稿。大會可按需要修正論文的內容和格式，作者須同意及授權主辦單位將呈交的論文摘要及全文，收錄於與論壇有關的出版刊物。

**如有任何論文疑問，歡迎與論壇秘書處聯繫：**

許善雯小姐 / 王思惠小姐

電話: +852 3159 2908 / +852 3159 2932

電郵: hkieconference@creativegp.com

 **第八屆粵港澳可持續發展研討會投稿回執**

**（請於2016年5月17日或之前，電郵至：**hkieconference@creativegp.com**）**

|  |  |
| --- | --- |
| **稱 謂** | [ ]  教授 [ ]  博士 [ ]  工程師 [ ]  先生 [ ]  女士 [ ]  小姐 |
| **作者姓名** |  |
| **職務/職稱** |  |
| **論文題目** |  |
| **團體/公司名稱** |  |
| **通訊位址** |  |
| **電子郵箱** |  |
| **電 話** |  | **傳 真** |  |
| **論文子題*****（請選擇）*** | [ ] [ ] [ ] [ ] [ ] [ ]  | 1. 一帶一路大灣區未來發展趨勢及思路及珠江三角州在十三五計劃的未來發展路向；世界國際大灣區發展與機遇
2. 可持續發展總體規劃及挑戰或各地面對的可持續挑戰與機遇或各地的合作機會及戰略
3. 可持續的經濟發展，交通，物流，資信及人流
4. 可持續的環境及綠色發展（空氣，水，綠色建築）
5. 可持續的能源供應與使用及氣候變化的挑戰與機遇
6. 可持續的社會發展
 |
| **摘 要*****（400字內）*** |  |

**論文題目**

作者一姓名

所屬機構/工作單位

所屬地區/國家

摘要

此樣本為論文格式指引。此樣本為論文格式 指引。此樣本為論文格式指引。此樣本為論 文格式指引。此樣本為論文格式指引。

1. 序言

介紹論文所要討論的性質、背景、目的及 其意義。介紹論文所要討論的性質、背 景、目的及其意義。

介紹論文所要討論的性質、背景、目的及 其意義。介紹論文所要討論的性質、背 景、目的及其意義。

2. 正文

如在正文以下有其它標題或章節，請使用 下列的標題方式。如在正文以下有其它標 題或章節，請使用下列的標題方式。

如在正文以下有其它標題或章節，請使用 下列的標題方式。如在正文以下有其它標 題或章節，請使用下列的標題方式。

2.1 標題一

此樣本為論文格式指引。此樣本為論文格 式指引。此樣本為論文格式指引。此樣本 為論文格式指引。

此樣本為論文格式指引。此樣本為論文格 式指引。此樣本為論文格式指引。此樣本

作者二姓名

所屬機構/工作單位

所屬地區/國家

為論文格式指引。此樣本為論文格式指 引。

加插的圖片影像必須清晰、明顯。加插的 圖片影像必須清晰、明顯。加插的圖片影 像必須清晰、明顯。



圖 1. 圖片說明

2.2 標題二 此樣本為論文格式指引。此樣本為論文格 式指引。此樣本為論文格式指引。此樣本 為論文格式指引。

此樣本為論文格式指引。此樣本為論文格 式指引。此樣本為論文格式指引。此樣本 為論文格式指引。

表1 邊界設定

設定 A4 紙 21cm x 29.7cm

|  |  |  |
| --- | --- | --- |
| 上 | 2.5 | 0.98" |
| 下 | 2.5 | 0.98" |
| 左 | 1.75 | 0.69" |
| 右 | 1.75 | 0.69" |
| 拦宽 | 7.85 | 3.09" |
| 拦距 | 1.8 | 0.71" |

公分 吋

總結

總結應覆蓋研究結果、重要性、限制及特點。總結應覆蓋研究結果、重要性、限制及特點。 總結應覆蓋研究結果、重要性、限制及特 點。總結應覆蓋研究結果、重要性、限制及特點。

附錄(選擇性)

可放圖片或補充資料。可放圖片或補充數 據。可放圖片或補充資料。可放圖片或補 充數據。

可放圖片或補充資料。可放圖片或補充數 據。可放圖片或補充資料。可放圖片或補 充數據。

參考資料

可放于論文尾段，有完整及正確的引證數 據。可放于論文尾段，有完整及正確的引 證資料。

可放于論文尾段，有完整及正確的引證數 據。可放于論文尾段，有完整及正確的引 證資料。

作者簡介

可包括約100字的作者簡介。