

# 16th International Conference on Computers in Urban Planning and Urban Management

Zhongnan Garden Hotel, Wuhan, China  
July 8-12, 2019



In 1989, the first international conference on the application of computers in urban planning and urban management was hosted by the University of Hong Kong, followed by two years, all hosted by world-renowned universities. It has been one of the major international conferences for the exchange of computer ideas and applications in academia. The conference focused on how to solve a series of social and environmental issues affecting urban planning and development based on computer technology.

16th International Conference on Computers in Urban Planning and Urban Management (CUPUM 2019) was held for the first time in mainland China and was hosted by Wuhan University.

1989 + The University of Hong Kong, Hong Kong, China

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2009 + The University of Hong Kong, Hong Kong, China

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2013 + Utrecht University, the Netherlands

2015 + Massachusetts Institute of Technology, USA

2017 + University of South Australia, Australia

2019 + Wuhan University, China

## 1. Invited Speaker



**Michael Batty**  
Chairman of the CASA,  
University College  
London, UK



**Deren Li**  
Committee Chair, Member of  
CAE, Professor  
Wuhan University, China



**Anthony G. O. Yeh**  
Member of CAS, Professor  
The University of Hong  
Kong, China



**Jianya Gong**  
Member of CAS,  
Professor  
Wuhan University, China



**Renzhong Guo**  
Member of CAE, Professor  
Shenzhen University, China



**Zhiqiang Wu**  
Member of CAE,  
Professor  
Tongji University, China



**Zhenjiang Sheng**  
Professor  
Japanese Academy of  
Engineering  
Kanazawa University  
(Japan) / Fuzhou  
University



**Jun Chen**  
Professor  
International Eurasian  
Academy of Sciences  
National Basic Geographic  
Information Center / Wuhan  
University



**Qingquan Li**  
Chairman of International  
Eurasian Academy of  
Sciences  
Shenzhen University



**Xia Li**  
Professor  
International Eurasian  
Academy of Sciences  
East China Normal  
University



**Xinchang Zhang**  
Professor  
International Eurasian  
Academy of Sciences  
Guangzhou University



**Yaolin Liu**  
Professor  
International Eurasian  
Academy of Sciences  
Wuhan University



## 2. Conference speaker (List updating)



**Yanwei Chai**  
Professor  
Peking University



**Feng Zhen**  
Professor  
Nanjing University



**Anrong Dang**  
Professor  
Tsinghua University



**De Wang**  
Professor  
Tongji University



**Bo Huang**  
Professor  
Chinese University of Hong Kong



**Suhong Zhou**  
Professor  
Sun Yat-sen University



**Ying Long**  
Distinguished researcher  
Tsinghua University



**Pengjun Zhao**  
Professor  
Peking University

Deren Li, Batty, Yeh, Anthony G.O., Jianya Gong, Renzhong Guo, Zhiqiang Wu, Zhenjiang Shen, Jun Chen, Qingquan Li, Xia Li, Xinchang Zhang, Yaolin Liu and other 12 famous academicians made a special invitation report at this conference, Yanwei Chai (Beijing University), Feng Zhen (Nanjing University), Anrong Dang (Tsinghua University), De Wang (Tongji University), Bo Huang (Chinese University of Hong Kong), Suhong Zhou (Sun Yat-Sen University), Ying Long (Tsinghua University), Pengjun Zhao (Peking University) ) ect. A group of top research team leader in the field are present to share the latest research results. The top experts in the field, CUPUM Board of Directors and the Advisory Committee, attended the conference and hosted the academic activities such as the main conference, session, and the awards.

## 3. Conference hosters



**Stan Geertman**  
Professor  
Utrecht University  
(Netherlands)



**Andrew Allan**  
Professor  
University of South  
Australia (Australia)



**Chris Pettit**  
Professor  
University of New South  
Wales (Australia)



**Nelson Rodrigues da Silva**  
Professor  
University of Sao Paulo  
(Brazil)



**Joe Ferreira**  
Professor  
Massachusetts Institute of  
Technology (USA)



**Robert Goodspeed**  
Professor  
University of Michigan  
(USA)



**Weifeng Li**  
Associate Professor  
Hong Kong university



**Renee Sieber**  
Professor  
McGill University (Canada)



**SUZUKI, Atsushi**  
Professor  
Meijo University (Japan)



**Michael Batty**  
Professor & academician  
University College London  
(UK)



**Kazuaki Miyamoto**  
Professor  
Tokyo City University  
(Japan)



**Karl Kim**  
Professor  
University of Hawaii (USA)



**Dick Klosterman**  
Professor  
University of Akron (USA)



**Paola Rizzi**  
Professor  
Sassari University (Italy)



**John Stillwell**  
Professor  
University of Leeds (UK)



**Ray Wyatt**

Professor

University of Melbourne  
(Australia)



**Yeh, Anthony G.O.**

Professor & academician

Hong Kong university



**Qingming Zhan**

Professor

Wuhan University

## 4. Steering committee

Michael Batty	Academician of the British Academy of Sciences, professor	University College London, UK
Deren Li	Academician of Chinese Academy of Sciences, Chinese Academy of Engineering and International Eurasian Academy of Sciences, professor	Wuhan University
Yeh, Anthony G.O.	Academician of Chinese Academy of Sciences and International Eurasian Academy of Sciences, professor	The University of Hong Kong
Yajian Gong	Academician of Chinese Academy of Sciences, professor	Wuhan University
Renzhong Guo	Academician of Chinese Academy of Sciences and International Eurasian Academy of Sciences, professor	Shenzhen University
Zhiqiang Wu	Academician of Chinese Academy of Engineering, German Academy of Engineering and Swedish Academy of Engineering, professor	Tongji University
Zhenjiang Sheng	Academician and professor of the Japanese Academy of Engineering	Kanazawa University (Japan) / Fuzhou University



Jun Chen	Academician of the International Eurasian Academy of Sciences, , professor/ chief engineer	National Geomatics Center of China/Wuhan University
Qingquan Li	Academician of the International Eurasian,Academy of Sciences, president of Shenzhen University, Professor	Shenzhen University
Xia Li	Academician of the International Eurasian Academy of Sciences, professor	East China Normal University
Xinchang Zhang	Academician of the International Eurasian Academy of Sciences, professor	Guangzhou University
Yaolin Liu	Academician of the International Eurasian Academy of Sciences, professor	Wuhan University

## 5. Academic Committee

### a) Academic Committee Chairman

Stan Geertman          Professor          Utrecht University (Netherlands)

### b) CUPUM Council

Stan Geertman	Professor	Utrecht University (Netherlands)
Andrew Allan	Professor	University of South Australia (Australia)
Chris Pettit	Professor	University of New South Wales (Australia)
Nelson Rodrigues da Silva	Professor	University of Sao Paulo (Brazil)
Joe Ferreira	Professor	Massachusetts Institute of Technology (USA)
Robert Goodspeed	Professor	University of Michigan (USA)
Weifeng Li	Associate Professor	The University of Hong Kong
Qingmin Zhan	Professor	Wuhan University
Renee Sieber	Professor	McGill University (Canada)
SUZUKI, Atsushi	Professor	Meijo University (Japan)



### c) CUPUM Advisory Board

Michael Batty	Professor, academician	University College London (UK)
Kazuaki Miyamoto	Professor	Tokyo City University (Japan)
Karl Kim	Professor	University of Hawaii (USA)
Dick Klosterman	Professor	University of Akron (USA)
Paola Rizzi	Professor	Sassari University (Italy)
John Stillwell	Professor	University of Leeds (UK)
Ray Wyatt	Professor	University of Melbourne (Australia)
Anthony G. O. Yeh	Professor, academician	The University of Hong Kong

## 6. Organization Committee

Qingmin Zhan	Professor/Chairman	Wuhan University
Yanwei Chai	Professor	Peking University
Tao Cheng	Professor	University College London (UK)
Anrong Dang	Professor	Tsinghua University
Peijun Du	Professor	Nanjing University
Qingyun Du	Professor	Wuhan University
Bo Huang	Professor	Chinese University of Hong Kong
Jingnan Huang	Associate Professor	Wuhan University
Zhengdong Huang	Professor	Shenzhen University
Bin Jiang	Professor	Gavle University (Sweden)
Weifeng Li	Associate Professor	The University of Hong Kong
Zhigang Li	Professor	Wuhan University
Ying Long	Distinguished researcher	Tsinghua University





Yan Liu	Associate Professor	University of Queensland
Helin Liu	Professor	Huazhong University of Science
Yu Liu	Professor	Peking University
Lin Liu	Professor	Guangzhou University
Qisheng Pan	Professor	Tongji University, Texas Southern University (USA)
Zhongren Peng	Professor	Shanghai Jiaotong University, University of Florida (USA)
Qing Shen	Professor	Southwest Jiaotong University, University of Washington (USA)
Wenzhong Shi	Professor	Hong Kong Polytechnic University
Xiaodong Song	Professor	Tongjin University
Dianzhi Sui	Professor	University of Arkansas (USA)
De Wang	Professor	Tongjin University
Donggen Wang	Professor	Hong Kong Baptist University
Huayi Wu	Professor	Wuhan University
Shilun Xiao	Professor	University of Tennessee (USA)
Jianguang Xu	Professor	Nanjing University
Xiaobai Yao	Professor	University of Georgia (USA)
Xinyue Ye	Professor	New Jersey Institute of
Bailang Yu	Professor	East China Normal University
Feng Zhen	Professor	Nanjing University





Min Zhang	Professor	Wuhan University/ University of Texas at Austin (USA)
Ming Zhong	Professor	Wuhan University of Technology
Suhong Zhou	Professor	Sun Yat-sen University
Qing Zhu	Professor	Southwest Jiaotong University

## 7. Call for paper

The conference will focus on the central theme of “Computable Urban Planning and Urban Management for Smart Cities”, ~~collecting book chapters~~, conference papers or exhibition boards that are closely related to the theme. In addition to publishing to books, the rest of the articles will be included in the summary of the meeting, excellent articles will be recommended for publication in internationally renowned academic journals.

## 8. Topics

Papers and posters commensurate with this theme are particularly welcome. In addition, the conference welcomes all papers and posters appropriate to one or more of the following topics.

1. Agent-based modeling
2. Animation
3. Artificial Intelligence in Urban Planning and Management
4. Artificial Neural Networks
5. Big data in Urban Planning and Management
6. Cellular Automata
7. Computer Aided Design
8. Decision Support Systems
9. Genetic Algorithms
10. GeoDesign
11. Geographic Information Systems
12. Information Technology & Expert Systems
13. Land-use & Transportation modeling
14. Planning Support Systems/Science
15. Public Participation Systems
16. Remote Sensing
17. Safety & Health Care Systems
18. Simulation
19. Social Media and Planning





- 20. Spatial data collection, Analysis, and Visualization
- 21. Spatial statistics
- 22. Urban Management Systems
- 23. Urban Planning & Modeling

## 9. Important Dates

2019-2-28	Paper/Poster Submission Deadline
2019-3-22	Paper/Poster notification
2019-4-26	Paper/Poster deadline
2019-7-8~12	CUPUM conference Date

## 10. Journal Publishing Opportunities

The CUPUM organizing committee will select excellent conference papers to be published in internationally renowned academic journals for conference cooperation (Updating):

	<b>ENVIRONMENT AND PLANNING B</b>
	<b>Cities</b>



	<p><b>Geo-Spatial Information Science</b></p>
	<p><b>International Review for Spatial Planning and Sustainable Development</b></p>
 <p><b>smart cities</b> an Open Access Journal</p>	<p><b>Smart Cities</b> Special journal details: <a href="https://www.mdpi.com/journal/smartcities/special_issues/BDDISSC">https://www.mdpi.com/journal/smartcities/special_issues/BDDISSC</a></p>

## 11.Submission

Please visit the conference website to submit: <http://cupum2019.org/>

## 12.Contact us

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