

3<sup>rd</sup> INTERNATIONAL CONFERENCE ON SMART  
CITY INNOVATION (ICSCI) 2020  
<https://icsci.unud.ac.id>



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**UDAYANA UNIVERSITY  
BUKIT - JIMBARAN - BALI**

## INTRODUCTION

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Cities are contingent on the historical forces that have shaped their development. Among these are colonization, industrialization, technology, and information. Today the Smart City has emerged as one possible answer to the emergent problems of urbanization in the 21<sup>st</sup> century. It joins a multitude of concepts and ideas that address daily life in the post-industrial world of informational capitalism – the sustainable city, the creative city, the green city, and the liveable city – and the Smart City that now seems to resonate with urban administrations and urban designers worldwide. The question is what is it?

Cities are merely reflections of the political economy of their own history. They are acts of imagination that combine use values and exchange values, political elites and poverty, fixed and mobile capital, multi-modal transport systems, and a chessboard of land uses that reflect urban politics, investment strategies, densities and class distinctions, histories, and expectations. There is no ‘one size fits all’, and cities worldwide contain a vast range of differences. On the basis of capitalist urbanization, most cities grow by consuming themselves – by destroying the old to build the new in an effort to reduce crime, pollution, waste disposal, amenity, security and to increase the rate of commodity circulation to generate wealth.

All historical periods have advanced on three fronts; first, the stockpiling of capital; second, the progression of ideologies that inform the development and third, technological advancement. The smart city paradigm falls into the latter category. It is firmly committed to informational technology and informational capital to fuel progress. Given this commitment, the problem is that human interests may be subsumed to technological ‘efficiency’, forgetting that what is human and what is technical, are not homologous. A central problem, therefore, is how to temper the use of technology with democratic politics and the voice of the people.

Today’s social system has been described as ‘the Network Society’ - the product of informational capitalism. This has entailed massive shifts in power, identity and traditional concepts of place as the virtual world of the space of flows reconfigures the material world in a diversity of forms. In the process, many cities thrive, while others sink in a sea of decay. Development is not democratic, and those cities that become hard-wired fastest also have the economic advantage as well, attracting a new ‘creative class’ of intellectuals, artists, business people, and professionals who then support a plethora of new urban spaces. As a resolution to the above problems, the smart city is therefore not merely a neutral technological fix. It is infused with problems that need to be interrogated if a more *humane* as opposed to a more *efficient* environment is to emerge.

As we might expect, the smart city is frequently lauded as a panacea for all ills. To test this idea, this conference will provide space for all forms of critique and debate in order to test the reality of the smart city in theory and practice, and as a viable strategy for future urbanization. In doing so, we embrace the following four themes and extended topics:

1. Energy & environment:
  - (a) Sustainable energy storage system for urban built environment;
  - (b) Urban energy system, security and sustainability
2. Infrastructure:
  - (a) Sustainable urban mobility;
  - (b) Sustainable urban water management;
  - (c) Sustainable regional development
3. Information and communication technologies/ICT and mobility:
  - (a) Extending urban healthcare services to rural areas;
  - (b) Internet of things/IoT;
4. Quality of life:
  - (a) Urban housing infrastructure, policy & technology;
  - (b) Live-able urban environment;
  - (c) Urban healthcare services

This conference has been organized following the success of the first ICSCI which was organized by Padjajaran University of Bandung in 2018, and the second ICSCI, which was conducted by Diponogoro University of Semarang in 2019.

## DATE AND VENUE

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The Conference will be held on:

- Date : 5-6 August 2020
- Time : 08.00 am – 05.00 pm (Bali time)
- Venue : Grand Inna Bali Beach Hotel, Sanur - Bali

## SPEAKERS

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### KEYNOTE SPEAKERS

1. Prof. Alexander Cuthbert (University of New South Wales, Australia)
2. Prof. Norikazu Shimizu (Yamaguchi University)
3. Dr. Tri Rismaharini (Surabaya Mayor) (tbc)
4. Dr. I Wayan Koster (Bali Governor) (tbc)

### INVITED SPEAKERS

1. Dr. Christine Cabasset (Irasec - France)
2. Prof. Yu Liu (Northwestern Polytechnical University - Xián China)
3. Dr. Devisari Tunas (Singapore – ETH Future Cities Lab)
4. Ahmad Gamal, S.Ars., M.Si., MUP, Ph.D. (Universitas Indonesia)

## SCIENTIFIC COMMITTEE (REVIEWING)

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1. Prof. Dr. Heri Hermansyah, S.T., M.Eng. (Universitas Indonesia)
2. Ir. Chairul Hudaya, S.T., M.Eng., Ph.D, IPM (Universitas Indonesia)
3. Prof. Deden Rukmana (Alabama Argicultural & Mechanical University)
4. Dr. Christine Cabasset (Irasec - France)
5. Prof. Ramesh K. Biswas (Smart City - Austria)
6. Dr. Niramon Serisakul (Urban Design & Development Centre - Thailand)
7. Prof. Yu Liu (Northwestern Polytechnical University - Xián China)
8. Dr. Mark Russel (University of Florida)
9. Prof. I Nyoman Antara (Unud-Indonesia)
10. Prof. I G. Rai Maya Temaja (Unud-Indonesia)
11. Eko Adhi Setiawan (IJTech)
12. Muhammad Suryanegara (IJTech)
13. Mohammed Ali Berawi (IJTech)
14. Nyoman Suwartha (IJTech)
15. Muhammad Suryanegara (IJTech)
16. Ruki Harwahyu (IJTech)
17. Yandi Andri Yatmo (IJTech)
18. Paramita Atmodiwirdjo (IJTech)
19. Dr. Ir. Hendri D.S. Budiono, M.Eng. (Universitas Indonesia)
20. Dr. Ir. Muhamad. Asvial, M.Eng (Universitas Indonesia)
21. Dr. Eng. Muhamad Sahlan, S.Si, M. Eng (Universitas Indonesia)
22. Prof. Dr.-Ing. Nandy Putra (Universitas Indonesia)
23. Prof. N. P. G. Suardana (Unud-Indonesia)
24. Prof. I N. Suprpta Winaya (Unud-Indonesia)
25. Prof. P. Alit Suthanaya (Unud-Indonesia)
26. Prof. I N Arya Thanaya (Unud-Indonesia)

27. Prof. Ida Ayu Dwi Giriantari	(Unud-Indonesia)
28. Prof. IDG Ary Subagia	(Unud-Indonesia)
29. Dr. D.M. Priyantha Wedagama	(Unud-Indonesia)
30. Dr. W.G. Ariastina	(Unud-Indonesia)
31. Yoga Divayana, PhD	(Unud-Indonesia)
32. Dr. I Nengah Sujaya	(Unud-Indonesia)

## PARTICIPANTS AND VIP INVITATIONS

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Participants consists of 120 Indonesian scholars and 30 participants from international universities. The VIP invitations for CCR SMART CITY and also invitations for Local Governments Officers of Bali Provinces, particularly from Local Planning and Research Development Board (Bapelitbangda Kota/ Kabupaten).

Since the conference will be jointly held with Department of Architecture at Universitas Indonesia and LASER PULSE at Purdue University, it is expected to have participants coming from five (5) different countries, including those coming from Asia, Australia, Europe, and America Continent. It also targets reputable Indonesia higher education institutions include those of CCR SMART CITY University of Indonesia (Jakarta), Padjajaran University (Bandung); Diponogoro University (Semarang; Sriwijaya University (Palembang); Technology University of Sumbawa (Sumbawa); and Udayana University. On top of the aforementioned potential participants, the 2020's ICSCI also engages government officers, non-government organizations/individuals as well professionals of relevant field and expertise. Participations in this conference can be accommodated in four different forms, which are as follows:

- Paper publication and oral presentation
- Paper publication and poster presentation
- Academic conference paper publication without presentation
- Participants without presentation

## TIMELINE

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No	Time	Agenda
1	1 February 2020	Deadline for abstract submission
2	15 February 2020	Announcement for abstract review result
3	20 March 2020	Deadline for full paper submission
4	6 May 2020	Announcement for full paper review result
5	10 June 2020	Deadline for submission of revised full papers
6	5 – 6 August 2020	Conference
7	September 2020	Deadline for submission to IJTeCH & IJESIT
8	October 2020	Deadline for submission to IOP and Unud Journals -with Shinta 2 accreditation status

## PUBLICATION

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Upon passing determined reviewing process and author/s discretion, accepted full papers presented in the 2020's ICSCI will be published in:

1. **IOP Conference Series**, an open-access proceeding (e-proceeding) focusing on Earth, Environment, and Spatial Science (SCOPUS and Thomson Reuters-indexed Proceeding)
2. **The International Journal of Technology [ IJTeCH ]** (Scopus indexed, Q2 for engineering field in Scimago journal database)
3. **International Journal on Advanced Science and Information Technology (IJESIT)**, (Scopus indexed, Q2 for engineering field in Scimago journal database)
4. **Udayana University's journals** that are nationally accredited with Shinta 2 accreditation status

## REGISTRATION ANF FEES

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Participants		Early registration (by 28 February 2020)		Regular registration (by 25 April 2020)	
		Student	Academic/ public	Student	Academic/ public
Presenter and oral presentation	International (US\$)	250	300	300	350
	Local (IDR)	2,500,000.00	3,000,000.00	3,000,000.00	3,500,000.00
Presenter and poster presentation	International (US\$)	250	300	300	350
	Local (IDR)	2,500,000.00	3,000,000.00	3,000,000.00	3,500,000.00
Participants without paper/poster	International (US\$)	125	150	175	200
	Local (IDR)	1,250,000.00	1,500,000.00	1,750,000.00	2,000,000.00
Additional author	International (US\$)	125	150	175	200
	Local (IDR)	1,250,000.00	1,500,000.00	1,750,000.00	2,000,000.00

## SECRETARIAT

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1. Smart City Research Centre, Udayana University Kampus Bukit Jimbaran, Badung, Bali (80361) - Indonesia.  
Email : [ccr.smartcity@unud.ac.id](mailto:ccr.smartcity@unud.ac.id) or [icsci2020@unud.ac.id](mailto:icsci2020@unud.ac.id)  
Phone : GAM Suartika (+62 896-8550-1932)  
Ari Mogi (+62 896-9727-9525)
  
2. Center for Collaborative Research SMART CITY at Universitas Indonesia  
3<sup>rd</sup> floor, ILRC Building, Kampus UI Depok 16412  
Email : [ccr.smartcity@ui.ac.id](mailto:ccr.smartcity@ui.ac.id)  
Phone : Heri Hermansyah (+62 813-8539-9048)  
Ahmad Gamal (+62 811-842-721)