

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2019+Special>

Please select Track Preference as **CCSC**

Special track

CCSC: Cloud Computing for Smart Cities

Chairs and Coordinators

Prof. Dr. Yong Woo Lee, University of Seoul, Korea

President of the Smart City Consortium, Korea

ywlee@uos.ac.kr

along with

CLOUD COMPUTING 2019, The Tenth International Conference on Cloud Computing, GRIDs, and Virtualization

<http://www.iaria.org/conferences2019/CLOUDCOMPUTING19.html>

Change is rapid in ICT technology, and convergence based on ICT technology is revolutionary in smart cities. More than 10 years ago, the research and development of future cities based on ICT technology was so active in Korea, under the name of the ubiquitous city and under the name of the smart city and the smart city consortium has led the first large scale smart city R&D project in Korea. In 2013, European Union started its grand step into future cities under the name of the smart city. It ignited a smart city boom in the world. It is reported that more than 250 Smart City Projects were in almost 200 Cities Worldwide in 2017 and the global market for smart city solutions and services is expected to reach nearly \$98 billion in 2026.

Cloud Computing has explosively grown during the last years, with the ability to transform organizations to become more responsive and agile than ever before in computing power and computing facilities. Once we just connect our electric devices to the power grid by plugging the plug of our electric devices into the outlet, we can start to use electricity right away, nowadays. The way in which electricity is produced and how it is used has evolved, in this way and it has made a lot of changes in our life, industry and society. Just like that, cloud computing has fundamentally changed the way in which computing capabilities are created and consumed. This characteristic of cloud computing has made things that were not possible in the past, possible, now. Indeed, cloud computing has brought tremendous change in many directions.

Cloud computing has influenced future cities great much and nowadays, it is a very important element of smart city. Cloud computing is essential for processing big data, in smart cities, it is a very important factor in implementing Internet of Things (IoT), in smart cities, and it is very useful for intelligent processing which supports smart services, in smart cities. Cloud computing is a very reliable method in rapidly responding to fluctuating changes in computing demand in smart cities. It is also is very helpful in coping with unpredictable computing demand in smart cities.

Topics include, but not limited to:

- Cloud as a service in smart cities such as Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), Storage as a Service, Network as a Service, Information as a Service, and Function as a Service (FaaS)
- Cloud applications in smart cities such as large scale cloud application, and innovative cloud applications and experiences
- Cloud practice in smart cities
- Cloud data management in smart cities such as big data processing, cross data-center data

management, data services, architectures, and data markets

- Social clouds in smart cities
- Mobile clouds in smart cities
- Cloud infrastructure in smart cities such as cloud architectures, infrastructure technologies, storage systems, and new technologies
- Cloud management in smart cities such as cloud composition, cloud federation, public, private, and hybrid clouds, cloud bridging, cloud bursting, cloud networking, service management automation, cloud migration, and cloud workload profiling and deployment control
- Query processing in smart cities such as resource management, and provisioning
- Green and energy efficient cloud computing in smart cities
- Cloud for IoT in smart cities
- Distributed and parallel cloud processing in smart cities
- Cloud security in smart cities such as data privacy, cloud privacy, service security, security of Infrastructure, system security, and privacy of computation
- Cloud performance in smart cities such as performance of cloud systems and applications, real-time cloud computing, cloud modeling, cloud reliability, availability, and serviceability, cloud metering and monitoring, performance comparison between clouds and integration of high performance computing, cloud configuration, and capacity management
- Cloud management in smart cities such as fault tolerance in cloud computing, cloud migration, hybrid cloud integration, compliance management in cloud, virtualization and composition, and cloud provisioning orchestration
- Cloud engineering in smart cities such as cloud solution design patterns, cloud programming models, cloud development tools, cloud economics, cloud Service Level Agreement (SLAs), economic and business model of clouds and cloud services, ROI analysis, cloud quality management, cloud computing consulting, cloud cost and pricing, multi-tenancy in cloud computing, and cloud for the 4th industrial generation in smart cities
- Edge computing for smart cities
- Grid computing for smart cities

Contribution Types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaia.org]
- Presentations: slide only [slide-deck posted on www.iaia.org]
- Demos: two pages [posted on www.iaia.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: ~~March 10, 2019~~ **March 23, 2019**
- Notification: ~~March 30, 2019~~ **April 8, 2019**
- Registration: ~~April 8, 2019~~ **April 14, 2019**
- Camera-ready: ~~April 8, 2019~~ **April 14, 2019**

Paper Format

- See: <http://www.iaia.org/format.html>
- Before submission, please check and comply with the editorial rules:
<http://www.iaia.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals:
<http://www.iaiajournals.org>
- Print proceedings will be available via Curran Associates, Inc.:
<http://www.proceedings.com/9769.html>

- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=CLOUD+COMPUTING+2019+Special>

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.

- Registration fees are available at <http://www.iaria.org/registration.html>

Contact

Chair: Yong Woo Lee, ywlee@uos.ac.kr

CLOUD Logistics: steve@iaria.org