

The 12th International Symposium of SSMS 2019

11th- 12th September, 2019 in Tokyo, Japan

First Announcement & Call for Papers

The Rise of Mega Metropolitans: the challenges of super concentration of population/resources on sustainable and resilient society

Objective

Large metropolitan centers all over the world are experiencing a rapid concentration of population and resources. How does this unprecedented concentration of population and economic activity influence the social and economic foundations of a country? What implications can be foreseen for disaster prevention and development? While cities can benefit from economies of scale as they grow larger, addressing the inefficiencies and waste that accompany overpopulation also become a central challenge.

Super-concentration can affect various aspects of livelihood, and what results is not necessarily an environment contributing to the better quality of life. In addition, the increased concentration of human life has profound implications for the vulnerability of communities and societies to natural disasters such as earthquakes and floods. On the other hand, in both developing and developed countries, we see regional areas that were once thriving and supporting communities suffering from depopulation and facing a crisis of obsolescence.

How are we then, to face these issues that accompany super-concentration? How can we adapt and respond, and how will such actions affect our countries and communities? What kind of improvements can we make to the current modes of disaster prevention/response, and to actions that enhance the quality of life? As technological developments and innovation proceed rapidly, how will our societies evolve? These are some of the many questions we aim to discuss through the theme of super-concentration.

This conference will be an interdisciplinary platform for academic, public, and private professionals to share their ideas, knowledge, experience, and research results. Our aim is to facilitate synergies and discover new ways in which we can understand our society, and envision a better one for the future. Some specific topics that we believe are relevant to the thematic discussion of the conference are listed below:

Topics

1. Disaster, Resilience and Management

- Mega Disasters and Challenges
- Disaster Early Warning, Preparedness, Prevention and Response & Recovery
- Pre and/or Post-Disaster Reconstruction and Rehabilitation Planning and Management
- Mainstreaming Disaster Risk Reduction into Planning
- Disaster Risk Financing
- Business Continuity Planning
- City Structure and Resilience

2. Environment and security of Water, Energy, Food

- Asset Management, Information Management and Water Resource Management
- GIS and Remote Sensing
- Climate Change and Environmental Management
- Resiliency and Poverty

3. Infrastructure Planning and Management, Asset Management

- Infrastructure Management and Materials
- Construction Management and Dispute Resolution
- Urban Farming
- Rural-Urban Transformation and Land Conversion

4. Sustainable Society and Quality of Happiness

- Indicators of Happiness
- Resource Efficiency to Sufficiency for People
- Beyond Cost Benefit Analysis
- Thinking the Future Generation
- AI, IoT, Auto Vehicle and Society
- Sustainable Economy

5. Engineering and Management

- Material design and development
- Structural Engineering
- Material/Structure and Cost/Infrastructure Management

6. Entrepreneurship and Regional Revitalization, Starting up Promotion

- Entrepreneurship and New Business Creation
- Regional Revitalization
- Tourism Planning
- Renewable Energy Business
- Utilizing Regional Resources
- IoT/AI Business

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7. Aging Society Planning, Operation and Management

- Innovative Enhancement Capacity
- Adaptive Forms and Behaviors
- Policy and Budgeting for Resilient City
- CSR/CSV and NGO's Contributions and International Cooperation
- Social Systems Management
- Sustainable Economy

8. Concentrated Urbanization

- Transportation planning and modelling
- Housing and real-estate market effects
- Waste management and capacity
- Infrastructure Planning
- Telecommunications and ICT platforms

Venue

Hongo Campus, The University of Tokyo, Japan

<https://www.u-tokyo.ac.jp/en/about/access.html>

Important dates

Deadline for 300-word Abstract: 15th March, 2019

Notice of Acceptance: 21st April, 2019

Deadline for Full Paper/ Extended abstract: 31st July, 2019

Registration Deadline: 31st July, 2019

Paper

Prospective authors are expected to submit either full paper or extended abstract. Authors can choose the type of paper when they register on the web. Regardless of your paper type, you need to submit your 300- word abstract by the abstract submission deadline (15th March, 2019)

Extended Abstract: 2 pages

Full Paper: 10-12 pages

Format is available on the URL below.

<https://ssms.jp/symposium/manuscript-guideline>

All the full papers will be reviewed by reviewers selected by SSMS.

The authors who submit 2-page extended abstracts are also entitled to make presentation at SSMS2017. They are also allowed to submit their full paper after the symposium for reviewing.

Abstracts Submission

Prospective authors (Include those who submit extended abstracts) are invited to submit abstracts (around 300 words in English) by **15th March, 2019**

All the authors need to create their account on the society website to register themselves as participants. Authors can submit their abstract from their web account.

<https://ssms.jp/symposium/abstract>

Official Language

English

How to Register

You can register yourself by opening your web account on SSMS website. Regardless of your participation type, both authors and general participant (audience) need their own web account. <https://ssms.jp/>

On your account, you can:

- see the status of your registration
- make registration fee payment by credit card
- abstract submission
- full paper / extended abstract submission
- re-submit modified paper (before deadline)

When you create your account for the first time, E-mail will be sent to you with ID and Password you chose. Please keep your ID and Password to login.

Registration Number :

Each registered participant will have 4 digit registration number. This number is regarded as your ID number and also used for paper serial code.

Change and Cancellation

If you wish to make changes of your participation type or cancel your participation, please contact SSMS2019 organizing committee secretariat since participants can not modify once registered information by themselves.

E-mail: ssms@kochi-tech.ac.jp

Contact: Saki Hamamura, Shiori Terao

TEL: +81 (0) 887 53 1130

Registration Fees

Registration fee (before 31st July, 2019)

- Regular participants **400 US\$**
- Students: **50 US\$**

After 31st July 2019, higher rate will be applied.

- Regular participants: **450 US\$**
- Students: **100 US\$**

•Payment before 31st July is advised so as to avoid higher rate payment.

•Participants who submit papers will be asked to make payment after Notice of Acceptance. The notice will be sent after 21st April, 2019.

•If refund is necessary due to cancellation or option change, please send e-mail to ssms@kochi-tech.ac.jp

If you intend to join post-symposium technical tour on 13rd September, 80 US\$ (Technical Tour fee) will be additionally charged.

How to Make Payment

The amount you need to pay will be seen on your web account in accordance with your participation type.

■Credit Card Payment

If you login to your web account, you will be guided to PAYPAL.

<https://ssms.jp/wp-login.php?loggedin=true>

•Each participant is asked to create a web account for registration. See the “How to Register” section to get further explanation.

Note: The participants will be asked to make a payment by credit card. If you find it difficult to make payment by your credit card, please contact ssms@kochi-tech.ac.jp .

Scientific Committee (Tentative)

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