



SEGA-07

The 7th International Conference on Sustainable Energy and Green Architecture

SMART CITY AND URBAN RESILIENCY

Bangkok, May 21-22, 2018



SEGA-07: Program Overview

The International Conference on **Sustainable Energy and Green Architecture 07 (SEGA-07): Smart City and Urban Resiliency** follow the six successful previous meetings (SEGA-01/ INTA-SEGA-02/ SEGA-03/ SEGA-04/ SEGA-05/ SEGA-06); all held in Bangkok, Thailand.

Today countries are experiencing not only economic boom but also fast transformation in urban infrastructure and development. Unfortunately these remarkable progress of developments are threatened by the potential risks from natural and man-made disasters, degradation of living environment and intensifying social and economic conflict in the area. The fact that most population now live in cities, the urban resiliency and sustainability becoming major concerns. Cities represent agglomerations of population and economic activity, therefore their existence and size is a clear indication of their economic vitality. A city may over exploit its critical resources within its own boundaries or its hinterlands, lose its comparative advantage to other city, or suffer severe economic and social problems. It may also be prone to external impacts such as natural and man-made disasters. Thus, in addition to long-term concerns about limited resource base and community infrastructure, cities must be resilient, or be able to rebound from shortrun or disruptive disasters to be sustainable.

The SEGA-07 will provide an excellent International forum for innovative and knowledge platforms to discuss the present and future challenges in urban resiliency and sustainability, and present some policies and innovative programs. The creative solutions can be found from the urban scale projects to the smart buildings design and eco innovations. The conference will feature a wide range of themes, focusing on smart technologies, sustainable energy and green architecture, case studies on eco-buildings, smart use of materials and resources, renewable energy sources or energy efficient non-renewable sources, natural resources conservation and preservation for eco-buildings and industries, environmental policy, engineering and technological management, innovative and ideas driven for sustainability strategy formulation both in normative and logical perspectives, new techniques improving indoor thermal comfort and air quality and so on.

The SEGA-07 will be held at Bangkok, Thailand, on May 21-22, 2018. Please take the time to check on important dates, and keep yourself up to date on recent changes (<http://www.archd.kmutnb.ac.th>, <http://sega07.ku.ac.th>).



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The conference looks for significant contributions to all major fields of the sustainable built development and sustainability pathways.

SEGA-07 invites paper on (but not limited to) the following topics:

I: Smart Green Built Environment

- Smart Applications in Built Environment
- Applied Renewable Energy in Eco-Buildings and Industries
- Modern Green Buildings and New Home Appliances
- Advanced Control, Technology and Products of Built Environment
- Indoor Air Quality and Outdoor Pollution
- Evaluation of Sustainable Buildings and Analyses of the Full Periods
- Low Power Consumption Technology
- Evaluation System of Green Building

II: Policy, Design and Practice of the Sustainable Urban Resiliency Development

- Intelligent Control System of Eco-Buildings and Industries
- Ecological Configurations and Scenes in Green Buildings and Industries
- Low Carbon Society and Carbon Credits Analysis
- Trends and Global Strategy on Sustainable Buildings and Industries
- Global and Regional Policies Analysis towards Sustainability
- Globalization and Internationalization of Emerging Technologies
- Sustainable Energy Management

III: Sustainable Technologies

- Eco Innovation in Built Environment
- Technologies of Effective Usage of Resources in Sustainable Buildings
- Development and Application of Environmental and Economical Materials
- Evaluation and Application of Eco Built-Environment Materials
- New Technology and Products of Energy Saving



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Application and Development of Regenerated Energy in Industries
Building Integrated Sustainable Energy
Bio Energy and Green Energy Technologies
Effective Microorganism Technology in Buildings

IV: Other invited paper on (but not limited to) the following topics

Social and Community-based Sustainable Development
Smart Technologies and Culture Preservation
Sustainability, New Perspectives and Models for Sustainable Economics
Environmental Impact Assessment of Sustainable Buildings and Industries
Traditional Wisdom Application to Modern Facilities
Innovation and Sustainable Business Development
New modern Vernacular Architecture

Submission Information:

Papers and Posters are invited on the topics outlined. Abstracts of no more than 300 words should be submitted as soon as possible. Abstracts should clearly state the purpose, results and conclusions of the work to be described in the final paper. Final acceptance will be based on the full-length paper. Submitted papers will be reviewed by technical committees of the conference.

Language: The language of the conference will be English.

Submission of Manuscripts: Authors are requested to follow the guidelines when writing their paper for SEGA-07 International Conference.

Style for Manuscripts: In addition to being concise and consistent in style, spelling and the use of abbreviations, the paper should conform to the following instructions.

- 1) **Language:** Papers must be written in English only. The first page of the manuscript should consist of the title, the authors' name and institutional affiliation, an abstract, key words, and corresponding author's address and telephone number including e-mail address.



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- 2) **Typescript:** Manuscript should be in single-column, single-space, A4 size (21cm X 30cm) format using a font size of Times New Roman 12 points only.
- 3) **Poster Presentation:** The Standard poster size is 36" high by 42" wide. Poster will be clipped onto a foam core board that measure 36" high by 50" wide and display on an easel.
- 4) **Title and Authors:** The title of the paper should be concise, informative and in capital letters. The author's name and affiliation should appear below the title.
- 5) **Abstracts:** An abstract of not more than 300 words is required. The abstract should not only indicate the scope of the paper, but should summarize the author's conclusions, so that the abstract by itself may be useful in information-retrieval systems.
- 6) **Key Words:** Five keywords for the paper should be given below the abstract.
- 7) **Headings:** Headings for sections should be centered on the page and numbered in Roman numerals. Headings for subsections, which can be marked by capital alphabet letters, should begin from the left margin.
- 8) **Equations and Mathematical Formulas:** All equations and mathematical formulas should be numbered serially on the right-hand side by Arabic numerals in parentheses.
- 9) **Illustrations and Tables:** Illustrations and tables should be clearly readable. In illustrations, all words (as distinct from mathematical symbols) should be written entirely in capital letters and in type size that is at least 8 points in the printed version.
- 10) **Length:** The manuscript of papers submitted should be restricted in length to 4-6 pages, including abstract, bibliography, and appendices.
- 11) **References:** References to published literature should be quoted in the text in square brackets. Number all references in a single sequence in the order that they are cited in the text, or in alphabetical order according to the author's last name, and list them together at the end of the text.

Submission Methods:

Submit your abstract(s), paper(s) or poster(s) (.pdf, .doc and .docx) with SEGA-07 in the subject line. Please include your name, full address and conference topic through the following e-mail: segathailand2018@gmail.com



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Conference proceedings:

International Referred Conference Proceedings will be blind peer reviewed by two competent reviewers. The conference abstracts book will be distributed to the conference participants at the conference registration desk. Presentation certificate will be submitted to authors during session's presentation. Full proceeding in pdf/CD/handy drive will be sent to all participants (as appropriate and convenient).

Importance Dates:

Abstract Submission	March 1, 2018
Notification of Abstract Acceptance	March 20, 2018
Full paper & Poster Submission	April 1, 2018
Notification of Full Paper & Poster Submission	April 20, 2018
Authors' Registration (Early Bird Registration)	May 16, 2018
SEGA-07 Conference Dates	May 21-22, 2018



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Conference Registration

Registration Fees

Registration Fees		Early-Bird			Standard		
		Paper 1	Paper 2	Paper 3 onwards	Paper 1	Paper 2	Paper 3 onwards
International Participants (USD)	Student author delegates	<input type="checkbox"/> 170	<input type="checkbox"/> 120	<input type="checkbox"/> 60	<input type="checkbox"/> 200	<input type="checkbox"/> 150	<input type="checkbox"/> 100
	Other	<input type="checkbox"/> 200	<input type="checkbox"/> 150	<input type="checkbox"/> 100	<input type="checkbox"/> 230	<input type="checkbox"/> 170	<input type="checkbox"/> 110
Local Participants (BAHT)	Student author delegates	<input type="checkbox"/> 5000	<input type="checkbox"/> 3500	<input type="checkbox"/> 2500	<input type="checkbox"/> 7000	<input type="checkbox"/> 5000	<input type="checkbox"/> 3000
	Other	<input type="checkbox"/> 6000	<input type="checkbox"/> 4500	<input type="checkbox"/> 3000	<input type="checkbox"/> 7500	<input type="checkbox"/> 5500	<input type="checkbox"/> 3500
Accompanying (per person)		<input type="checkbox"/> 100 USD/3000Baht			<input type="checkbox"/> 150 USD/4000Baht		
Daily Participant	All	-			<input type="checkbox"/> 100 USD/3000Baht		

To facilitate the organization, participants are kindly requested to register early. Please fill and e-mail the scanned registration form and money transfer receipt to SEGA-07.

SEGA-07 Participant Registration Form (per participant)

(Write in capital letter only)

Title:	Mr. <input type="checkbox"/> Ms. <input type="checkbox"/> Prof. <input type="checkbox"/> Dr. <input type="checkbox"/>
Last name:	
First name:	
Affiliation/ Organization	
Address:	
Phone:	
Fax:	
E-mail:	
Paper Title:	

Signature.....

Date.....



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Method of Payment

1) Payment by money transfer to the designated SEGA07 account. (SEGA-07 Designated Account Number will be communicated to authors)

2) Payment of fees must accompany all registration forms. No registration will be confirmed until payment is received.

3) Registration will only be accepted upon the registration form and appropriate full payment.

4) If you are student author's delegate, please attach your ID card, together with the confirmation from your institute.

5) Please kindly contact the Secretariat for advice if you have any difficulty or question registration.

6) Please send the registration form along with the payment evidence (Bank Transaction Invoice) to:

Email: segathailand2018@gmail.com

Note: Your registration confirmation will be notified back within 3 days, otherwise please do contact us at: Email: segathailand2018@gmail.com

Refund and cancellation policy

1) Notification of any cancellation must be made in writing to the Secretariat Office.

2) For cancellation before 15 days of the conference, your 50% pre-paid conference registration fees will be refunded (per person cancellation fee).

3) All refund will only be processed 60 days after the conference.

Conference Venue and Accommodation

Bangkok Chada Hotel



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Conference sponsor and Exhibitor Opportunities

The Conference offers the opportunity to become a sponsor or exhibitor in the Conference, please contact the conference secretariat at segathailand2018@gmail.com

Conference program

The conference program will be announced shortly.

Conference Advisors

Dr. Chongrak WACHRINRAT, Acting President, Kasetsart University
Professor Dr. Suchart Siengchin, President, King Mongkut's University of Technology
North Bangkok
Assistant Professor Dr. Bangorn Benjathikul, President, Bangkokthonburi University

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Prof. Dr. Joseph KHEDARI

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- Professor Dr Jongjit Hirunlabh (Co-Chair)
- Dr. Sopa VISITSAK (Co-Chair)
- Assistant Professor Dr Thana Ananacha (Co-Chair)
- Associate Professor Pasinee SUNAKORN
- Associate Professor Dr Preeda CHANTAWONG

Conference Organizer and Secretariat

Siam Seetakij co. ltd.



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- Sakkara RASISUTTHA, *Khon Kaen University, Thailand*
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