



SEGA-05

The 5th International Conference on Sustainable Energy and Green Architecture
SMART TECHNOLOGIES AND BUILT ENVIRONMENT

Bangkok, September 27-29, 2016



SEGA-05: Program Overview

The International Conference on **Sustainable Energy and Green Architecture 05 (SEGA-05): Smart Technologies and Built Environment** follow the four successful previous meetings (SEGA-01/ INTA-SEGA-02/ SEGA-03/ SEGA-04) which were held in Bangkok, Thailand.

Today the development of smart technologies and its wide applications in daily activities and at different levels including buildings, industries, communications, and renewable energies offer new perspectives to the promotion of Sustainable Built Environment and Green Energy and the need to preserve the balance of nature. Healthy indoor air quality, intelligent devices, wireless applications and the efficient use of energy are receiving increased interest worldwide. Smart technologies are expected to alleviate climate change impact through innovative designs and introduction of smart energy-saving home appliances. The SEGA-05 will provide an excellent International forum for innovative and knowledge platforms sharing results in theory, methodology and applications of sustainable energy in green architecture and eco-buildings and industries. The conference looks for significant contributions to all major fields of the sustainable built development and sustainability pathways. 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-05 will be held at Bangkok, Thailand, on September 27-29, 2016. Please take the time to check on important dates, and keep yourself up to date on recent changes (<http://sega05.arch.ku.ac.th>, <http://archd.kmutnb.ac.th>).

SEGA-05 invites paper on (but not limited to) the following topics:

I: Green Built Environment

Smart Applications in Built Environment



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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 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

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
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



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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 SAGA- 05 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.
- 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.



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- 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-05 in the subject line. Please include your name, full address and conference topic through the following e-mail: sega0005@gmail.com

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	June 30, 2016
Notification of Abstract Acceptance	July 15, 2016
Full paper & Poster Submission	July 30, 2016
Notification of Full Paper & Poster Submission	August 15, 2016
Authors' Registration (Early Bird Registration)	September 1, 2016
SEGA-05 Conference Dates	September 27-29, 2016



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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 SEGA05.

SEGA-05 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 SEGA05 account. (SEGA 05, Account Number 984-4-29920-9, Krungthai Bank)
 - 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: SEGA0005@gmail.com
- Note: Your registration confirmation will be notified back within 3 days, otherwise please do contact us at: Email: SEGA0005@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). No refund of the conference registration fee for cancellations after September 15, 2016.
- 3) All refund will only be processed 60 days after the conference.

Conference Venue and Accommodation

To be announced soon

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 SEGA0005@gmail.com



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Conference program

The conference program will be announced shortly.

Conference Advisors

Please check and correct as appropriate

Associate Professor Vudtechai Kapilakanchana, President, Kasetsart University

Associate Professor Dr. Bordin Rassameethes, Vice-President, Kasetsart University

Professor Dr. Teravuti Boonyasopon, President, King Mongkut's University of Technology North Bangkok

Assistant Professor Dr. Bangorn Benjathikul, President, Bangkokthonburi University

Chairperson

Prof. Dr. Joseph KHEDARI

Organizing Committee

- Dr Sopa VISITSAK (Co-Chair)
- Assistant Professor Dr Thana Ananacha (Co-Chair)
- Professor Dr Henri FERIADI (Co-Chair)
- Professor Dr Jongjit Hirunlabh (Co-Chair)
- Associate Professor Dr Preeda CHANTAWONG
- Associate Professor Pasinee SUNAKORN
- Assistant Professor Dr Pattaranan TAKKANON

Conference Organizer and Secretariat

Siam seetakij co. ltd.



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International Scientific Committee

- Mana AMORNKITBAMRUNG *King Mongkut's University of Technology Thonburi, Thailand*
- Sigit D. ARIFWIDODO *Kasertsart University, Thailand*
- Chumnun BOONYAPUTTHIPONG *Khon Kaen University, Thailand*
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- Preeda CHANTAWONG *King Mongkut's University of Technology, Thailand*
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- Yoon Jong HO *Hanbat National University, Korea*
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- Bart LAMBREGTS *University of Amsterdam, Netherlands*
- Martin LIDDAMENT *The International Journal of Ventilation, UK*
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- Sombat TEEKASAP *Eastern Asia University, Thailand*
- Nuanwan TUAYCHAROEN *Kasertsart University, Thailand*
- Kittichai TRIRATANASIRICHAH *Khon Kaen University, Thailand*
- Sopa VISITSAK *Kasertsart University, Thailand*
- Jompob WAEWSAK *Thaksin University, Thailand*
- Chanikarn YIMPRAYOON *Kasertsart University, Thailand*
- Belkacem ZEGHMATI *Université de Perpignan Via Domitia, France*