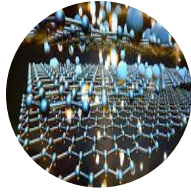


ICCEMS 2019

ICNMM 2019



May 17-19, 2019
Bangkok, Thailand

2019 the 4th International Conference on CIVIL ENGINEERING AND MATERIALS SCIENCE

2019 the 2nd International Conference on NANOMATERIALS,
MATERIALS AND MANUFACTURING ENGINEERING

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General Information for Participants

May 17-19, 2019
Bangkok, Thailand

Registration Guide:

Arrive at the conference venue→Show your ID→Inform the conference staff of your paper ID→Sign your name on the participants List→Check your conference materials.

Checklist:

1 receipt, 1 name card, 1 printed conference abstract, 1 lunch coupon, 1 dinner coupon, 1 conference bag, 1 USB stick (paper collection).

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of Each Presentation:

Regular Oral Session: 15 Minutes of Presentation including 2-3 Minutes of Q&A

Notice:

*Certificate of Listener can be collected in the registration counter.

*Certificate of Presentation can be collected from the session chair after each session.

*The organizer will not provide accommodation, so we suggest you make an early reservation.

*One best presentation will be selected from each session. The best one will be announced when each session ends, and will be awarded by the session chair after each session in the meeting room.

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WELCOME MESSAGE

**May 17-19, 2019
Bangkok, Thailand**

World is witnessing major changes in civil engineering, materials science and manufacturing engineering. 2019 Bangkok conferences are welcoming researchers, scientists, engineers, technologists, professionals from industry, and regulators from government as well as technology providers to join our event in Bangkok, Thailand on May 17-19, 2019. The conferences will provide opportunities for discussions about methods, technologies, systems and best practices in the different areas of civil engineering, materials science, nanomaterials, materials and manufacturing engineering from different places around the world. The conferences provide opportunities for the delegates to exchange new ideas and application experiences face to face, to establish business cases or research relations and to find global partners for future collaboration.

We are welcoming you all at the conferences and wish you a pleasant stay in Bangkok and fruitful discussions in the different sessions. The Technical Programme Committee of the conferences have assembled an excellent programme comprising of 3 excellent Keynote Speeches, 2 Plenary Talks from renowned scientists from the world, 7 parallel technical sessions comprising of 6 oral sessions and 1 poster session. A total of 65 papers were selected from 112 original contributions after a rigorous review process reflecting the acceptance rate of 58.04%.

On behalf of the Organizing Committees, we wish to thank our Honorary Chair, Prof. Dr. -Ing. Thira Jearsiripongkul from Thammasat University, Thailand; Our Conference Chairs, Prof. Xiaohong Zhu from Sichuan University, China; Prof. Kyoung Sun Moon from Yale University School of Architecture, USA; Our Local Chair, Prof. Cattaleeya Pattamaprom from Thammasat University, Thailand; Our keynote speakers, Prof. Kyoung Sun Moon from Yale University School of Architecture, USA; Prof. C. W. Lim from City University of Hong Kong, Hong Kong; Prof. Cattaleeya Pattamaprom from Thammasat University, Thailand; Our plenary speakers, Assoc. Prof. Andrew Boyd from McGill University, Canada; Prof. Chien-Yuan Chen from National Chiayi University, Taiwan and authors of selected papers for their outstanding contributions. We would also like to thank members of the organizing committees, all reviewers and volunteers for their great efforts. Without their contribution, dedication and commitment, we would not have achieved so much. We sincerely hope that you will find the Bangkok conferences beneficial and fruitful for your professional development. We also hope that you will enjoy our hospitality and will have an enjoyable and memorable time in Bangkok.

Conference Committees



CONFERENCE COMMITTEES

May 17-19, 2019
Bangkok, Thailand

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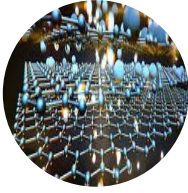


May 17-19, 2019
Bangkok, Thailand

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Koorosh Gharehbaghi	RMIT University	Australia



AGENDA OVERVIEW



May 17-19, 2019
Bangkok, Thailand

Friday, May 17, 2019

10:00-17:00 Participants check-in & Materials Collection-*Lobby*

Saturday, May 18, 2019

Venue: Siam Meeting Room, 9th Floor

09:00-09:05 **Opening Remark**
Prof. Dr.-Ing. Thira Jearsiripongkul, Dean, Thammasat University, Thailand

09:05-09:45 **Speaker I**
Prof. Kyoung Sun Moon, Yale University School of Architecture, USA
Speech Title: Emerging Developments in Structural Systems for Tall Buildings

09:45-10:25 **Speaker II**
Prof. Cattaleeya Pattamaprom, Thammasat University, Thailand
Speech Title: Natural Rubber-Based Biodegradable Packaging

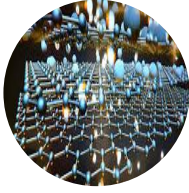
10:25-10:40 **Coffee Break and Group Photo-Foyer**

10:40-11:20 **Speaker III**
Prof. C. W. Lim, City University of Hong Kong, Hong Kong
Speech Title: TBA

11:20-12:00 **Speaker IV**
Prof. Xiaohong Zhu, Sichuan University, China
Speech Title: Graphene-based Electrode Materials for Supercapacitors

12:00-13:30 **Lunch**

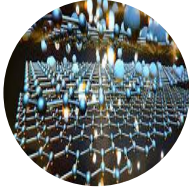




**May 17-19, 2019
Bangkok, Thailand**

Parallel Sessions	
<p>13:30-16:30</p> <p><i>Siam Meeting Room 1, 9th Floor</i></p>	<p>Speaker V Assoc. Prof. Andrew Boyd, McGill University, Canada <i>Speech Title: In Situ Evaluation of Concrete Transport Properties Using Surface Resistivity</i></p> <p>Session 1: Analysis of Reliability and Durability Oral Presentation Papers: M0014 M0016 M002 M072 M074 M084 M087 M092 M082 M110</p>
<p>13:30-16:30</p> <p><i>Siam Meeting Room 2, 9th Floor</i></p>	<p>Speaker VI Prof. Chien-Yuan Chen, National Chiayi University, Taiwan <i>Speech Title: Applications of UAS-Obtained Thermal Images for Vegetation Coverage Ratio Monitoring of Mudstone Areas</i></p> <p>Session 2: Modeling, Analysis and Simulation of Manufacturing Processes Oral Presentation Papers: M016 M020 M028 M032 M041 M042 M091 M104 M102 M058</p>
<p>14:00-16:30</p> <p><i>Siam Meeting Room 3, 9th Floor</i></p>	<p>Session 3: Structure Analysis and Design</p> <p>Oral Presentation Papers: M048-A M054 M073 M076 M2003 M063 M068 M0005 M0020 M111</p>
<p>16:30-16:45</p>	<p>Coffee Break-Foyer</p>

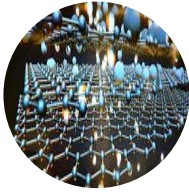




**May 17-19, 2019
Bangkok, Thailand**

16:45-18:45	Session 4: Manufacturing Process Planning and Analysis
<i>Siam Meeting Room 1, 9th Floor</i>	Oral Presentation Papers: M014 M034 M049 M050 M059 M079 M099-A M112
16:45-18:45	Session 5: Composite Materials
<i>Siam Meeting Room 2, 9th Floor</i>	Oral Presentation Papers: M0009 M019 M021-A M035 M0023 M2006 M065 M1003
16:45-18:45	Session 6: Computer-aided Design and Manufacturing
<i>Siam Meeting Room 3, 9th Floor</i>	Oral Presentation Papers: M0018 M013 M069 M070 M088 M089 M090 M101
14:00-18:00	Poster Session
	Presentation Papers: M108 M018 M023 M029 M030 M031 M044 M045 M080 M085 M098
18:45-20:30	Dinner
Sunday, May 19, 2019	
One Day Tour in Bangkok	





May 17-19, 2019
Bangkok, Thailand

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Location



Mercure Bangkok Siam is located in Bangkok's best shopping district. Guests are a short walk from the renowned MBK mall, the palatial Siam Paragon mall, Siam Ocean World and Siam Square. Jim Thompson House is steps away and cultural highlights such as Located in the heart of Southeast Asia, Bangkok is a modern and lively city with a variety of attractions to offer. The bustling city is filled with magnificent palaces, diverse cuisine from world-class restaurants to street stalls and shopping malls.

