NICOM6

Technology Transfer in Action

Sixth International Symposium on Nanotechnology in Construction

2018
HONG KONG

DATE
2- 5 December 2018

LOCATION
Hong Kong Science Park

NICOM6

Call for Papers

Online Submission via
www.nicom6.hk

English will be the official language of the Symposium

Submission of Abstract by:
1 September 2017

Notification of Acceptance by:
1 November 2017

Submission of Full Paper by:
1 March 2018

Early Registration by:
24 August 2018

Organized by:

納米及先進材料研發院有限公司
Nano and Advanced Materials Institute Limited

THE HONG KONG POLYTECHNIC UNIVERSITY
香港理工大學
FACULTY OF CONSTRUCTION AND ENVIRONMENT
DEPARTMENT OF CIVIL AND ENVIRONMENTAL ENGINEERING
建設及環境學院
土木及環境工程學系

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HKGCC Hong Kong General Chamber of Commerce 香港總商會1861
HKSTP 香港科技園
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Nanotechnology has already demonstrated surprising potential for improving the performance of construction materials, and many of these recent developments were facilitated by NICOM symposia. NICOM6 will bring together about 150 international leaders in the field to discuss the emerging nanotechnology in construction and its marketing opportunities. Potential topics for the NICOM6 symposium illustrate the broad potential for application of nanotechnology to challenging problems involving construction materials:

- Production, functionalization and performance of nanomaterials: nanoparticles, nanotubes and novel polymers;
- Investigation of the internal structure and properties of construction materials at the nanoscale and relation of these parameters to materials performance at the macroscale;
- Instrumentation, techniques, and metrology for nanoscale investigation of construction materials;
- Nanomodification of construction materials, including functional films and coatings;
- Nanotechnology for high-strength and high-performance materials;
- Nanomaterials for ultimate improvement of durability;
- Self-repairing, smart and intelligent nanostructured materials;
- Photocatalysis, air-purifying and self-cleaning materials;
- Biomimetic and nano-composite materials;
- Nano-assembly and "bottom-up" design in construction materials;
- Modeling and simulation of nanostructure of construction materials;
- Nanotechnology and nanomaterials for energy efficient construction;
- Nanotechnology-enabled green materials and by-product utilization for new levels of sustainability;
- Application of nanomaterials in real world construction projects;
- Health, safety and environmental effects related to nanomaterials application.

Who Should Attend

NICOM symposia were instituted to exchange ideas and results in the field of nanotechnology for construction materials. These events facilitated the integration of scientific research obtained in laboratories and in field applications from around the world.

The world's leading researchers in the field of nanotechnology in construction will be brought together by NICOM6. This offers a special opportunity for participants to gain exposure to many of the top investigators in the field and the cutting-edge research conducted in other countries. Attendance of engineers, scientists, and students from different countries is vital for the success of NICOM6 symposium: it will bring research results to the world community and allow engineers and scientists to evaluate the results of investigations performed elsewhere. These global connections are likely to lead to new ideas, active collaborations, and greater interactions.

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