

Annual General Meeting Report of Hong Kong Society of Theoretical and Applied Mechanics March 15, 2014

1 Main Activities (Since March 2013)

1.1 Distinguished Lectures

There were four Distinguished Lectures before the HKSTAM conference, and another four Distinguished Lectures are organized in the HKSTAM annual conference. Therefore, a total of **8 Distinguished Lectures** were organized in this year.

The four Distinguished Lectures organized before the HKSTAM conference are:

1. Distinguished Lecture 1 by Prof. Xiao Qiao HE (CityU) on 1 June 2013
2. Distinguished Lecture 2 by Prof. Robert O. Ritchie (Lawrence Berkeley National Laboratory) on 19 July 2013
3. Distinguished Lecture 3 by Prof. Wieslaw Ostachowicz (Polish Academy of Sciences, Institute of Fluid Flow Machinery, Poland) on 13 December 2013
4. Distinguished Lecture 4 by Prof. Wing Kam Liu (Northwestern University) on 16 December 2013

A total of **over 120 participants** attended the lectures. Please find detail report of each lecture in the following sub-sections.

1.1.1 Distinguished Lecture 1: Nano-Mechanics of Carbon Nanotubes (Prof. Xiao Qiao HE)

Prof. Xiao Qiao HE is from the Department of Civil and Architectural Engineering, City University of Hong Kong. The seminar started at 10:00am on 1 June 2013 (Saturday) in Room B6605. The seminar was chaired by Prof Paul LAM and there were **30 participants** (see Photo 1). The seminar was well organized and informative. There were a lot of discussions after the presentation. The seminar completed at 11:10am.



Photo 1: Prof Xiao Qiao HE's distinguished seminar.



Photo 2: HKSTAM President, Prof Jian LU, presents the souvenir and honorarium to Prof Xiao Qiao HE after the seminar.

1.1.2 Distinguished Lecture 2: Probing the Structure and Properties of Engineering and Biological Materials at Multiple Length-Scales using Real-Time Imaging (Prof. Robert O. Ritchie)

Prof. Robert O. Ritchie is from the Lawrence Berkeley National Laboratory. The seminar started at 2:30pm on 19 July 2013 (Friday) in LT-9, CityU. The seminar was chaired by Dr. Paul Lam. There were **40 participants** at the beginning and more people joined during the seminar (see Photo 3). The total number of participants is 50. The seminar completed at 3:35pm. At the end of the seminar, Prof Jian Lu presented the honorarium together with a souvenir to Prof Ritchie (see Photo 4).



Photo 3: During Prof Ritchie's seminar.

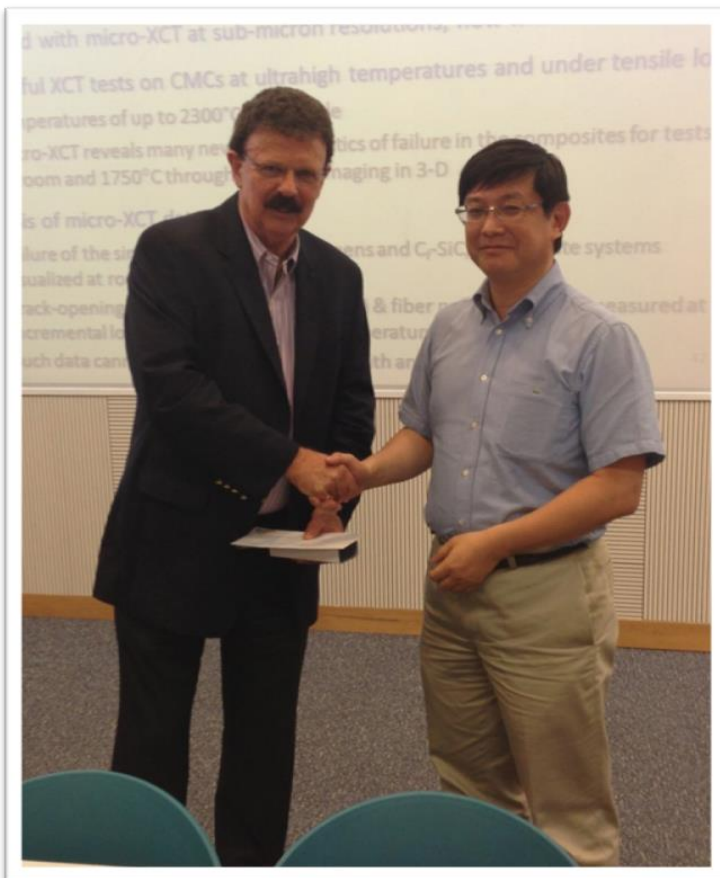


Photo 4: Prof Lu presents the honorarium and souvenir to Prof Ritchie.

1.1.3 Distinguished Lecture 3: New Trends in Structural Health Monitoring (SHM) (Prof. Wieslaw Ostachowicz)

Prof Wieslaw Ostachowicz is Polish Academy of Sciences, Institute of Fluid Flow Machinery, Gdansk, Poland. The seminar started at 11:00am on 13 December 2013 (Friday) in Room B6605. The seminar was chaired by Dr. Paul Lam. There were more than **25 participants** in the seminar (see Photo 5). The discussion was very enthusiastic. The seminar was finished at about 12:20pm. At the end of the seminar, Prof Paul LAM presented the honorarium and souvenir to Prof Wieslaw Ostachowicz (see Photo 6).



Photo 5: During Prof Wieslaw Ostachowicz's seminar.



Photo 6: Prof Paul LAM, HKSTAM Secretary, presents the honorarium and souvenir to Prof Wieslaw Ostachowicz.

1.1.4 Distinguished Lecture 4: Multiscale Modeling and Simulation of Materials: The Archetype-Genomer Exemplar (Prof. Wing Kam Liu)

Prof Wing Kam Liu is Walter P. Murphy Professor, Northwestern University. The seminar started at 3:00pm on 16 December 2013 (Monday) in Room B5211. The seminar was chaired by Prof Paul LAM and there were more than **25 participants** (see Photo 7). At the end of the seminar, Prof Jian LU presented the honorarium and souvenir to Prof LIU (see Photo 8).



Photo 7: Prof. Wenjing Ye is introducing Prof Gary.

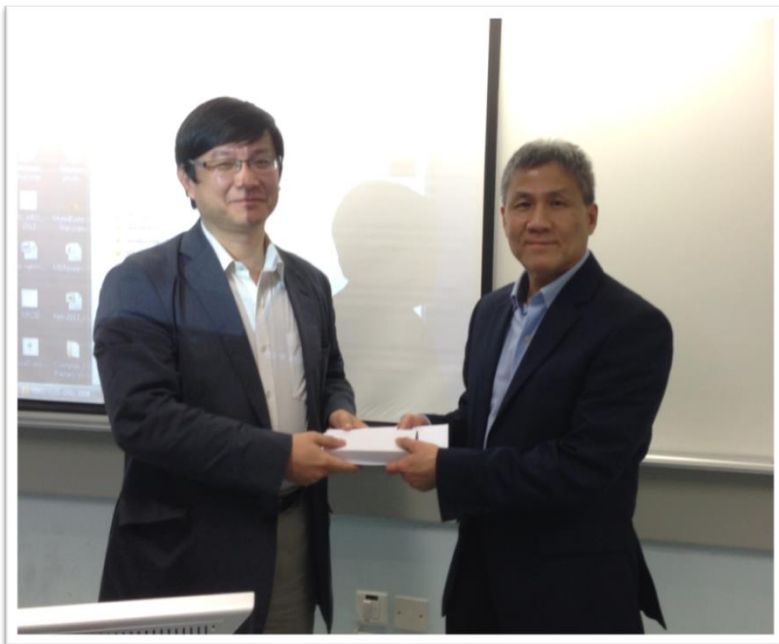


Photo 8: Prof YK Lee presents the honorarium and souvenir to Prof Gray.

1.2 HKSTAM Annual Conference

In this year, the HKSTAM annual conference is organized in conjunction with “the 10th Shanghai–Hong Kong Forum on Mechanics and Its Application”. The conference is held on **March 15, 2013 at City University of Hong Kong (CityU)**. HKSTAM organized this conference together with the Shanghai Society of Mechanics (SSM), and City University of Hong Kong. The one-day conference aims to provide a platform for all scientists, engineers, and mathematicians working on mechanics and related areas to share, communicate and exchange ideas, and to enhance co-operations within relevant parties.

There are totally **44 abstracts** submitted to this conference including **4 Distinguished Lectures**. They are offered by **Prof. Andrew YT LEUNG** from Hong Kong Society of Theoretical and Applied Mechanics (HKSTAM), **Prof. Zheng ZHONG** from Shanghai Society of Mechanics (SSM), **Prof. Dong SUN** from City University of Hong Kong, and **Prof Li CHENG** from Hong Kong Polytechnic University (PolyU). The other 40 abstracts are given in 8 parallel sessions.

A total of **65 registered participants** in the conference including 15 EC members, 8 SSM participants, 4 invited speakers, 38 local participants. Due to the new policy in Shanghai, many participants from SSM cannot apply for financial support, and therefore, only 2 of them can join the conference.

1.3 International Events

1.3.1 International Association of Computational Mechanics (IACM)

In this year, 11 HKSTAM members joined the International Association of Computational Mechanics (IACM). They are:

1. Jian LU
2. CW LIM
3. Jane LU
4. Paul LAM
5. CK CHAN
6. Wenjing YE
7. Yang LIU
8. YK LEE
9. Xinrui NIU
10. Jidong ZHAO
11. Andrew LEUNG

In the 5th EC meeting, HKSTAM decided to nominate **Prof. Kun Xu** (HKSTAM member) for the APACM Award for Computational Mechanics, and **Dr. Jeff Wang** (HKSTAM EC member) for the APACM Award for Young Investigators in Computational Mechanics.

Furthermore, Prof Leung joined the 10th World Congress on Computational Mechanics (WCCM2012) in Brazil on 8 – 13 July 2012. IACM is one of the organizers of this congress.

1.3.2 上海市力学学会2013学术年会暨第九届沪港力学与应用论坛

Prof Jian LU, **Prof YK LEE** and **Dr. Wenjing YE** joined the forum on **21 September 2013**. Prof LU gave a keynote and Prof LEE and Prof YE gave two presentations in the forum. A group photo is shown in Photo 9. On behalf of HKSTAM, Prof LU presented the souvenir to SSM.



Photo 9: The morning session of the forum.

1.4 Current Status of HKSTAM

Referring to the discussion in the 4th EC meeting, HKSTAM has 148 members including 40 life members. In this year, HKSTAM has 12 institutional members. They are:

1. Department of Civil and Architectural Engineering, City University of Hong Kong
2. Department of Mathematics, City University of Hong Kong
3. Department of Mechanical and Biomedical Engineering, City University of Hong Kong
4. Department of Physics and Materials Science, City University of Hong Kong
5. Department of Applied Mathematics, The Hong Kong Polytechnic University
6. Department of Civil and Structural Engineering, The Hong Kong Polytechnic University
7. Department of Mechanical Engineering, The Hong Kong Polytechnic University
8. Department of Civil and Environmental Engineering, The Hong Kong University of Science and Technology
9. Department of Mechanical and Aerospace Engineering, The Hong Kong University of Science and Technology
10. Department of Mechanical Engineering, The University of Hong Kong
11. Department of Civil and Environmental Engineering, University of Macau
12. Department of Electromechanical Engineering, University of Macau

2 Executive Committee of HKSTAM for 2014-2016

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The President would like to express the sincere thanks to all EC members for their efforts and time to make the successfulness of HKSTAM activities during the past year.