### Rundown of Award Ceremony of PhD Research Excellence Awards 2018-19 cum Experience Sharing Session

**Date:** 27 May 2019 (Monday)  
**Time:** 2:30-4:00 pm  
**Venue:** Room 5589, Graduate Commons (Lift 29-30)

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<th>Time</th>
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<tbody>
<tr>
<td>2:15 pm</td>
<td>Registration</td>
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<td>2:30 pm</td>
<td>Prof Tim Cheng, Dean of Engineering to address</td>
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| 2:35 pm | Prof Tim Cheng, Dean of Engineering, Prof Richard So,  
Associate Dean of Engineering for Research & Graduate Studies 
& Prof Yu Hsing Wang, the Chair of Engineering Research Committee to present the awards  
  - Winner: Dr Xianghao Yu, PhD graduate from ECE  
  - 1st runners up: Dr Haoran JIANG, PhD graduate from MAE (will not attend the award ceremony)  
& Dr Quanming Yao from CSE |
| 2:40 pm | Experience Sharing Session by the Winner  
  - Dr Xianghao Yu, PhD graduate from ECE |
| 3:15 pm | Cocktail and Light refreshment to be served                            |

### About the Winner, Dr Xianghao Yu:

The awardee is Dr Xianghao Yu, a PhD graduate from department of Electronic & Computer Engineering.

Dr Yu’s research during his PhD study was focused on millimeter-wave multi-input multi-output (mm-wave MIMO) communications and application of stochastic geometry in wireless network analysis. In particular, his work on hybrid precoding for mm-wave MIMO systems has received over 200 citations, which is one of the most cited papers on this topic and received 2018 IEEE Signal Processing Society Young Author Best Paper Award. A follow-up work on hardware-efficient hybrid precoding was presented at the flagship conference 2017 IEEE Global Communications Conference (GLOBECOM) and received the Best Paper Award. In addition, Dr. Yu’s research on wireless network analysis is the first general framework for the tractable analysis of multi-antenna wireless networks, and he is a co-author of the monograph Stochastic Geometry Analysis of Multi-Antenna Wireless Networks. His research was also recognized by the Hong Kong Telecom Institute of Information Technology (HKTIIT) Post-Graduate Excellence Scholarship, and he was selected as one of the exemplary reviewers of IEEE Transaction on Wireless Communications for two consecutive years (2017–18).

Dr Yu is currently a Postdoctoral Fellow at Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU) in Germany. He is supported by the Humboldt Research Fellowship, which is a highly competitive and prestigious recognition to researchers all over the world.