

## **SEMINAR ANNOUNCEMENT**

**DEPARTMENT OF ELECTRICAL AND COMPUTER ENGINEERING**  
**Faculty of Engineering**  
Website: <https://www.eng.nus.edu.sg/ece/>

**Area: Integrated Circuits & Embedded Systems**

**Host: Assoc Prof Jerald Yoo**

<b>TOPIC</b>	:	<b>Possible Energy Solution for Body Area Network</b>
<b>SPEAKER</b>	:	<b>Mr Dong Yilong</b> <b>Graduate student, ECE Dept, NUS</b>
<b>DATE</b>	:	<b>11 October 2019, Friday</b>
<b>TIME</b>	:	<b>9am to 10am</b>
<b>VENUE</b>	:	<b>E3-06-01, Engineering Block E3, Faculty of Engineering, NUS</b>
<b>ABSTRACT</b>		
<p>Wearable electronic devices have a variety of applications on human body as implants or accessories for health surveillance, activity tracking, hearing aid and so on. Normally, battery is the solution that provides power to wearable electronic devices. However, battery life is always the biggest pain point, due to various restrictions such as unneglected device power consumption and limited battery capacity. Therefore, different sorts of technology about energy harvesting or delivery have been proposed, namely RF power transfer, solar, kinetic harvester and so forth. For different application scenarios and conditions, these technologies are constrained and susceptible. Thus, the consideration and comparison for different technology or methodology used to power up devices node around human body will be discussed. And a new method with stronger robustness will be introduced as well.</p>		
<b>BIOGRAPHY</b>		
<p>DONG Yilong received the B.Eng. degree in electrical engineering from the Dalian University of Technology (DUT), Dalian, China, in 2017. He is currently a PhD student with the Department of Electrical and Computer Engineering, NUS. His current research interest focuses on body area network.</p>		

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