

Body Sensor Networks Hackathon

Jun 14-16 2016

UCSF Mission Bay Conference Center, San Francisco, CA

(in conjunction with the BSN 2016 Conference)

Fee: Free to all registered participants of the BSN conference. You must first register on the conference website and pay the conference fee. Once completed, follow registration directions below for the Hackathon.

Registration: email your details (Name, Affiliation/Institution, Contact Address, Research interest/expertise) to benny.lo@imperial.ac.uk. Please use put "BSN Hackathon 2016" as the subject of your email. (Limited space is available, and registration will be closed if all spaces are filled). A confirmation email will be sent to all registered.

Prizes: (1st prize) Recon Jet smart glasses, (2nd prize) Fossil Q Grant Smart watch (3rd prize) Fossil Q Activity. All registered attendees will receive a free Intel IoT platform(s) (the new Curie and/or Edison)+a sensor development kit.

The aim of this Hackathon is to provide an opportunity for researchers, students, industrial technologists, healthcare professionals and technology enthusiast to gather together to learn and design solutions to solve real-world healthcare related problems using BSN and Internet of Things (IoT) technologies.

Following the success and overwhelming interests in last year's BSN Hackathon organised in conjunction with the BSN 2015 conference at MIT Media Lab, the BSN Hackathon will be organised again in conjunction with the BSN 2016 Conference at UC San Francisco. The event will be sponsored and supported by Intel and the Hamlyn Centre, Imperial College London. The Hackathon will be organised as a 3 days event.

The main objective of this Hackathon is to bring together experts from different area together to develop solutions to tackle major healthcare challenges. Intel's IoT platforms (Intel's new Curie or Edison platforms) will be provided as the tools for developing the solutions. Some sensors, such as optical heart rate sensors, piezo vibration sensors, and Grove starter kits will be provided for the teams to design and build their systems/solutions.

The Hackathon will start off with a brief introduction session to go through some background knowledge about the event and hardware/software platforms in the morning of June 14. Participants are encouraged to form teams during the event or before the event. Ideally, each team should be a multidisciplinary team with people with different expertise and knowledge. All competing teams will use the next 2 days to design and develop their solutions. The results will be presented to the judging panel in the morning break of the conference on Jun 16, and the results will be announced at the end of main BSN conference.

Organising Chairs:

- Benny Lo – Imperial College
- Gaurav Kaul – Intel



The Hamlyn Centre
The Institute of Global Health Innovation

Tentative Programme

June 14, 2016	
09:00 – 10:30	Session 1 - Introduction of the BSN Hackathon <i>Introduce the Hackathon event, programme and judging criteria</i>
09:30 – 10:00	Session 2 – Introduction to Intel’s hardware and software platforms <i>Overview of hardware and software platforms to be used in the event</i>
10:00 – 10:15	Break
10:15 – 10:45	Session 5 - Hardware and Installation <i>Setting up and hardware/software configurations</i>
10:45 – 12:00	Session 3 – Project ideas <i>Team forming and initial discussions on project ideas , and preparing their pitch</i>
12:00 – 12:30	Session 4 – Initial Ideas pitch <i>Teams to pitch their initial ideas</i>
12:30 – 13:30	Lunch
13:30 – 17:30	<i>Hackathon – work in teams</i>
17:30 – 18:00	Session 5 – Project design pitch <i>Teams to pitch their project ideas and designs</i>

June 15, 2016	
07:30 – 18:00	BSN Conference <i>Hackathon – work in teams (Teams are advised to attend the main conference, meanwhile working on their projects during breaks)</i>

June 16, 2016	
07:30 – 12:30	BSN Conference <i>Hackathon – work in teams (Teams are advised to attend the main conference, meanwhile working on their projects during breaks)</i>
12:30-13:30	Lunch Hackathon Presentation to Judges
17:15-18:00	BSN Hackathon results announcement and awards

