



nanoLAB Lunchtime Seminar

**The Beehive, Old Library Building
Wednesday 30th August 2017
12:30pm – 2:00pm**

Dr Hua-Khee Chan

**Subsea instrumentation, pressure passive electronics, and
autonomous subsea robotics**

“Surface of Mars Has Been Mapped Better Than Our Oceans” – Commander Rick Brennan

Whilst a majority of the earth surface is covered with ocean, very little do we know about the lifeblood of our planet. With ever increasing human population and the scarcity in land based resources for example, farm land, residential area, minerals, energy sources, new medicine and antibiotics etc, our dependency on ocean only grow stronger to sustain our daily activities. This talk presents the challenge in technology and economical scale on sensing and mapping of subsea environment that involved multidisciplinary research. Snippets of research activities based around the Tyne Subsea Centre and the university Shell Ocean XPrize team will be exhibited.

