



**MPE**  
Quality, Reliability, Performance

# Company Bulletin

for EMC, EMP & TEMPEST Protection

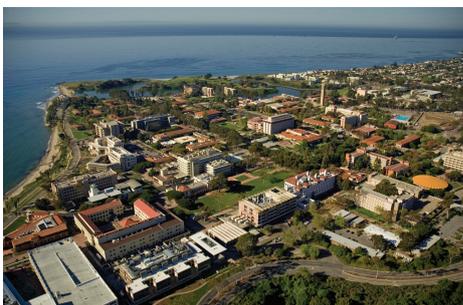
## Issue 17



Paul Currie of MPE is pictured here with the KIEES Committee, next to the EMSEC Workshop event organiser, Mr Tae-Heon Jang, who is fifth from the left in the front row. Mr Jun Sun Park, CEO of MPE's Gold Partner Eretec, Inc, is standing between the two on the back row



Paul Currie delivers his presentation on "EMP Protection and Operation for Public Organisations" at the EMSEC Workshop in Seoul



The University of California Santa Barbara campus (UCSB), where the 2018 AMEREM Conference was held and the IEC SC77 Committee convened in August

## MPE busy at EMSEC & AMEREM 2018

During October the annual EMSEC Workshop took place in South Korea. Hosted by the prestigious Korean Institute of Electromagnetic Engineering and Science (KIEES), this year's single-day event was again held at the K-Hotel in Seoul.

Paul Currie of MPE was one of only two non-Korean nationals (and the only non-academic) invited to speak at the event by the event organiser Mr Tae-Heon Jang of the Korean Test Laboratory (KTL). Given the ever increasing threat from Intentional Electromagnetic Interference (IEMI) in non-military applications, Paul had been asked to brief the assembled audience on how public organisations may counter this threat.

Closing the day's proceedings with a half-hour presentation entitled "EMP Protection and Operation for Public Organisations", Paul detailed how and why IEMI presents an increasing threat to public organisations, how some organisations around the world have mitigated, or protected against, this threat, and what future measures are planned.

Prior to this, in late August, MPE design engineer John Lindsay participated as a technical expert representing the BSI and UK interests at the IEC SC77 meeting held during the 2018 AMEREM Conference at the University of California Santa Barbara campus (UCSB). SC77 is a subcommittee of the International Electrotechnical Commission concerned with high-power transient electromagnetic phenomena and is the global steering group for HEMP protection.

The AMEREM Conference is part of the AMEREM / EUROEM / ASIAEM Conference series, a unique forum for the international EMP community since the first meeting in Albuquerque, New Mexico, back in 1978.

So at this, the 23rd High-Power Electromagnetics Conference, technical presentations were spread across three lecture theatres simultaneously and attended by more than 150 invitees. Subjects addressed during the four-day meeting included the proposed update to Mil-Std-188-125, improved modelling techniques for HEMP threats, and the increasing need for HEMP protection of public and commercial organisations.

The next SC77 meeting is planned to take place in September 2019, in the ancient city of Xi'an, home of the Terracotta Army and beginning of the Silk Road in north-western China.

