



**MPE**  
Quality, Reliability, Performance

# Company Bulletin

for EMC, EMP & TEMPEST Protection

## Issue 8



The KIEES Committee pictured during the event: Vice-Chairman Mr Jun Sun Park is shown on the back row, third from the left.

## EMSEC 2015 in Seoul focuses on the emerging IEMI threat

October 2015 saw a gathering of the South Korean EMP community at the K-Hotel in Seoul, for the annual Electromagnetic Security Workshop (EMSEC) 2015. Organised by the Korean Institute of Electromagnetic Engineering and Science (KIEES), the event took place over a single day, 22nd October, and attendance was the largest of any year, with over 100 people present. The KIEES was founded in 1989 for the development of the EMC knowledge base nationwide, fostering closer collaboration between academics, companies, researchers and the Korean government.

The focus for this year's event was the emerging IEMI threat and the effective measurement of this threat. Presentations were conducted throughout the day in the conference hall, with speakers from both the Korean and European EMP communities. Outside the hall a small, select group of companies were invited to display their innovative EMP solutions, including MPE's Korean distributor Eretec, Inc with its MIL-STD-188-125 compliant products.

Mr Jun Sun Park, the President of Eretec, Inc, is also the current Vice-Chairman of the KIEES organisation and has a particular focus on further improving the links between the academic and commercial EMP communities, ensuring that cutting-edge technologies are adopted quickly and made more accessible to end-users.

At the event, Eretec, Inc displayed a range of MPE HEMP filters along with its own proprietary shielding solutions. The MPE HEMP filters on display have now been supplied to the Korean market for over five years, with many hundreds of units successfully installed. Installed filters include powerline ranges from 6A through to 800A along with numerous signal, data and telephone line filters.

Whilst other work commitments did not allow MPE representatives to fly out to the EMSEC 2015 event, Will Turner, the Senior Design Engineer of MPE, had presented an IEMI detection paper earlier in October at the EMC UK 2015 event in Newbury. This paper was on the same IEMI threat theme discussed at EMSEC, whilst also explaining the advantages of having access to standalone IEMI detectors as a cost-effective way of determining risk factors and facilitating the appropriate mitigation steps. Will Turner's complete paper may be downloaded [here](#) in PDF format.

In February 2016, MPE is one of 12 companies taking part in a trade mission to Seoul organised by the UK Trade and Industry organisation. Along with individual customer meetings to be held by each of the companies attending, there will also be market briefings and a reception hosted by the UK Embassy in Seoul.

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