

# The Institution of Agricultural Engineers

Founded 1938 – Incorporated 1960

## The President's Award

### Craig Grant

IEng MIAgrE

The President's Award typically goes to a mid career Engineer, but in this case we wanted to acknowledge a hugely important long term commitment to hydraulic engineering.

Practically all medium and large machines use variable displacement hydraulic pumps in the quest to reduce energy and improve efficiency.

Following research at Edinburgh University, mainly directed at marine energy recovery, the Digital Displacement pump was invented. Like all new ideas, a huge investment in time and money was required to turn the theoretical advantages into practical reality.

Step forward Craig Grant. Initially an apprentice at Anderson Strathclyde, a designer of coal mining equipment, he progressed to their sales department before joining Norson Power, a hydraulic equipment manufacturer in 1990.

In 1994 a nine year move to Parker hydraulics meant wider experience leading to Bosch hydraulics in 2003. Craig was involved with IAgRE in the Forestry Equipment Group and as a keen supporter of the Young Engineers Competition, encouraging Bosch to donate significant and much coveted prizes.

Always a great communicator, a move to Danfoss as champion of the Digital Displacement Pump in 2018, is a testament to the high regard he is held in our industry.

Followers of LinkedIn cannot fail to notice his work to get these pumps into new equipment and see that Danfoss are building a new factory near Edinburgh to produce them.

There are other potential solutions to energy saving being developed, but none has the resources of Danfoss behind it nor a champion such as Craig!

The Awards Panel is delighted to recognise a long-time supporter of IAgRE, actively engaged in a quest for significant improvements in hydraulic system efficiency with huge environmental benefits.

