The Institution of

Agricultural Engineers

Founded 1938 – Incorporated 1960

**Award for Contribution to the Landbased Sector 2018**

## Richard Smalley

FIAgrE

Richard has been a member of the Institution for nearly 20 years and has been a regular attendee at Branch presentations and technical meetings for many years and has served on the Wrekin Branch Committee since 2014.

Richard has over 50 years’ experience and expertise in machinery design, closely allied to agricultural engineering and the landbased sector. He has produce many specialist, niche market machines for forestry, agriculture, construction and water supply such as:

* the multi-purpose ‘Smalley 5’ - walking excavator, which is claimed to be the world’s first 'mini' excavator.
* the ‘Smalley 808’ - swamp drainage machine, which has ultra-low ground pressure and was designed to work in peat drainage operations, but is also used in the East coast states of USA on mosquito control projects.
* the Smalley amphibious dredger range – designed to enable the dredger to manoeuvre in a river or canal to effect reed, silt and weed removal to a nearby barge.
* the patented ‘Altos’ oscillating track system which improves traction whilst reducing ground damage and operator discomfort. This combined with the tilting table system which allows the engine and hydraulics to work on a level plane whilst the machine is on rough, sloping ground.
* The more recent ‘Smalley 2730’ implement carrier – which is a radio remotely controlled implement carrier with outstanding climbing ability that is able to operate a range of attachments safely on hillsides, railway, highway and reservoir embankments.

 Just a few examples which demonstrates Richard’s significant engineering skills and the impact they have made on the National and International landbased sector. For these alone, Richard is a very worthy recipient of The Award of Contribution to the Landbased Sector 2018.