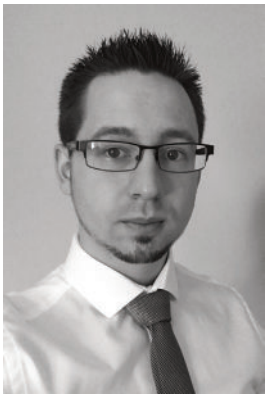
IEEE Microwave and Wireless Components Letters Tatsuo Itoh Prize

Daniel J. Shepphard, Jeffrey Powell, and Steve C. Cripps, for their paper "An Efficient Broadband Reconfigurable Power Amplifier Using Active Load Modulation," IEEE Microwave and Wireless Components Letters, Vol. 26, No. 6, pp. 443-445, June 2016.



Daniel J. Shepphard

Daniel J. Shepphard(S'16) received his BEng. degree in the field of Electronic and Communications Engineering from Cardiff University, Cardiff, South Wales, Great Britain, in 2014 where he is currently working toward a Ph.D.

His current research interests include wideband, high efficiency, high power, reconfigurable power amplifier design for pulsed radar applications utilising both hybrid and MMIC processes. In 2016 he was the lead author in the original paper which introduced the concept of the Load Modulated Balance Amplifier (LMBA).

Steve C. Cripps

Prof. Cripps graduated from Cambridge University, England, with a Masters and Ph.D. in the mid 1970's, and then spent many years working in the microwave electronics industry, both in the UK and California. This included spells as designer, manager, company founder (Celeritek), and independent consultant. He has written several books on RF Power Amplifiers and was the recipient of both 2008 IEEE Microwave Applications Award and the 2015 Microwave Prize for his work in RFPA design. Prof. Cripps is currently a Distinguished Research Professor at Cardiff University, Wales, UK and a Life Fellow of the IEEE.

Jeffrey Powell

Jeff has worked as a microwave engineer for more than 25 years with QinetiQ, TRW (UK), and Cardiff & Birmingham Universities. Currently a consultant/design engineer with Skyarna, Jeff continues to design power amplifiers – with projects for high efficiency over wide bandwidth, 300 GHz amplifiers, adaptive amplifier architectures. Any time left over is usually spent helping to develop Schottky technologies for components up to 1 THz.