

## CURRICULUM VITAE: J. V. STAFFORD

<b>Name</b>	John Victor Stafford	<b>Date of birth</b>	8 June 1946
<b>Nationality</b>	British		
<b>Education:</b>			
<b>University</b>	Reading 1964 - 1970 B.Sc 2.1 Cybernetics & Instrument Physics Ph.D Research topic, 'The failure of lubricants in sliding contacts.'		
<b>Further qualifications</b>	Chartered Engineer, 1976 Chartered Environmentalist, 2005 C & G levels 2 & 3 Visual Basic		
<b>Professional societies</b>	Fellow, Institution of Agricultural Engineers		
<b>Employment</b>			
1999 - present	Consultant in precision agriculture and computing		
1993-1999	Research Leader, Precision Agriculture, Silsoe Research Institute.		
1985-1993	Sensor Systems Group Leader, Silsoe Research Institute		
1984-1985	Visiting Associate Professor, Dept. of Agric. Engineering, Auburn University & Visiting Researcher, National Tillage Machinery Lab., Auburn, Alabama, USA.		
1981-1984	Principal Scientific Officer, Soil Mechanics Section		
1974-1981	Senior Scientific Officer, Soil Mechanics Section, National Institute of Agric. Engineering (NIAE), Silsoe		
1971-74	Research Engineer, Associated Engineering Developments Ltd., Rugby		

I have managed a number of research projects related to precision agriculture in areas of technological development (sensing and precision application and control systems), interpretation of within-field spatial variability (variability in yield, soil and crop factors) and system development (patch spraying, yield mapping, fertiliser application). Projects were funded by: UK Ministry of Agriculture, Fisheries and Food, Sustainable Agriculture LINK, UK Home Grown Cereals Authority, Sugar Beet Research and Education Fund, European Union and commercial companies.

A number of these projects were multi-disciplinary and included formal collaboration with soil scientists, crop scientists and agronomists at UK establishments (Rothamsted, Brooms Barn, ADAS, Morley Research Centre) and European research groups (Wageningen-Netherlands, Leuven-Belgium, DIAS-Denmark, CEMAGREF/ITCF-France, IVIA/UPV-Spain).

I initiated the European Conference on Precision Agriculture. I was co-ordinator for the 1<sup>st</sup> Conference in 1997 and Proceedings Editor for the 1<sup>st</sup>, 2<sup>nd</sup>, 4<sup>th</sup>, 5<sup>th</sup> and 6<sup>th</sup> Conferences in 1997, 1999, 2003, 2005 and 2007.

I have been involved with international standards development for agricultural electronics, being a member of ISO Technical Committee TC23/SC19 and first chairman of the Working Group on Tractor-implement data bus standardisation.

I have been co-Editor in Chief for the scientific journal, Precision Agriculture since its inception in 2000. It is now in its 11<sup>th</sup> volume and has an impact factor of 1.3.

I referee papers for other scientific journals, mainly Computers and Electronics in Agriculture. I am on the editorial board of Computers and Electronics in Agriculture.

I have regularly supervised students and visiting research workers at Silsoe Research Institute. I have been external examiner for PhD students at Newcastle University, University College, Dublin, University of Sydney, University of Melbourne, University of Cape Town, Reading University and Cranfield University.

Invited keynote presentations on precision agriculture have included:

3<sup>rd</sup> International Conference on precision agriculture, Minneapolis, USA, 1996

Dahlia Greidinger International Symposium on Fertilization & the Environment, Haifa, Israel, 1997.

Agriculture Canada Symposium on New Technologies in Agriculture, Quebec, Canada, 1999

Annual Meeting of the British Association for the Advancement of Science, Sheffield, UK, 1999.

5th International Conference on precision agriculture, Minneapolis, USA, 2000.

AgEng2000, European Conference on Agricultural Engineering, Warwick, UK, 2000.

SCI Conference on Managing the Environmental Effects of Agriculture, Warwick, UK, 2002.

NJF Seminar on Implementation of Precision Agriculture in Practical Agriculture, Skara, Sweden, 2002.

7th International Conference on precision agriculture, Minneapolis, USA, 2004.

I have published over 95 journal and conference papers including 57 in the area of precision agriculture (list of publications attached).

Since taking early retirement from Silsoe Research Institute, I have run two independent consultancies; one in computing and one in precision agriculture. The computing consultancy, 'Compu-Doc', provides IT support, trouble-shooting, upgrades, networking to small businesses and homes in Bedfordshire. 'Silsoe Solutions' provides an information service, makes presentations on precision agriculture topics, writes papers and reports, edits the scientific journal, Precision Agriculture (Springer) and produces the proceedings for the European Conferences on Precision Agriculture.