

DONAL A. HEFFERNAN

- Qualifications:** MSc., PhD (University of Salford, U.K.)
- Professional:** Chartered Engineer. C.Eng. MIEI
- Current Position:** Senior Lecturer, Dept. of Electronic & Computer Engineering (1990- present).
- Previous Experience:** Head of Engineering, NorthStar Computers Inc. (1983-1990); Senior Test Planning Engineer, CASE plc. Watford U.K. (1979-1983). Previous engineering positions with Digital Corp., GE, NIHE and ESB.
- Personal:** Married with two children

Core Competencies and Research Interests: Head of the Real-time Distributed Control research group at U.L. Interested in real-time distributed system design and analysis for embedded electronic environments. Focus is on fault tolerant, verifiable, distributed solutions in co-hardware/co-software architectures.

Significant Research Achievements: Over the past five years - authored/co-authored more than 60 technical papers in refereed journals, conference proceedings etc. Graduated 10 research students (PhDs and masters) in past four years. Developed innovative products where sales have exceeded 40 million euro. Holds inventor patents. Currently supervising 14 post-graduate researchers (1 x postdoc, 5 x PhD, 8 x M.Eng.)

Funding and Collaboration: euro 1.2 million for projects within the past 5 years, collaborating with organisations such as: Danish Technical University; M/A-COM Research, Boston, USA, Bosch GmbH, Germany, Analog Devices, Limerick etc.

Memberships: Chartered Engineer, Institution of Engineers, Ireland. Senior member SME (USA), Member of NSAI TC-17 committee, Member ISO work groups, academic consultant PEI /CSRC.

Teaching: Teaching to masters degree level. Courses include: Real-time Systems, Operating Systems, Digital Systems etc. Held course leadership position (4 years) for Electronics Manufacturing degree. External examiner to various third level institutions etc.

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