Trinity College Dublin
Coláiste na Tríonóide, Baile Átha Cliath
The University of Dublin

School of Computer Science and Statistics

History of the Department of Computer Science from inception to the year 2000

History of the Department of Computer Science, Trinity College Dublin
The evolution of computer science as reflected in the long line
of machines used by the Department from its inception until c.2000.

Computing in Trinity College Dublin began when an IBM 1620 Model 1 was delivered to the School of Engineering and installed in 21 Lincoln Place in June 1962 (Fig.1). The Dean of Engineering, Prof. Wright, set up a 'Computer Section' co-located with the machine, not a formal 'Department', although no-one except 'Computer Section' staff were there. Thus in 1962 Dr. Byrne (as he was then) moved into an office there, then Neville Harris joined in 1964, with a desk in the same office. The IBM 1620 was in the adjacent room with the system administrator, Vivian Killeen, along with about twenty M.Sc students punching and re-punching programs onto paper tape. Rosemary Murphy joined when Vivian married and emigrated to Australia. Next Francis Neelamkavil joined in 1965, then David Abrahamson. The IBM 1620 was operated until 1968 when it was temporarily replaced by an IBM 1130.

Apart from short courses, teaching commenced with an M.Sc course in Computer Applications in Oct. 1963. A FORTRAN course was taught to Engineers shortly afterwards in 1964, and subsequently in 1966 a 'Computer Engineering' stream was introduced into the Engineering degree (BAI); a broadly based degree with specialization in the final years. Unlike most computer science departments (but like some that are notable, e.g. Edinburgh, MIT, Berkeley, Stanford) the Department evolved from within an engineering school, resulting in a definite 'systems' orientation.

In Prof. J.G.Byrne's CV c.1975 (Fig.2) he described himself as "Lecturer in Computer Science" from Sept. 1965, thereby implying that the Department had been established by then, but it is highly likely that this 1965 date is misleading. In his interviews [3] he says the Department was established in 1969 and that he was appointed head. Before that he was first a lecturer in Computer Science from Sept. 1965 to June 1967, then a senior lecturer in Computer Science June 1967 to Sept. 1973, but both appointments were in the Graduate School of Engineering Studies (the TCD calendar confirms promotion to senior lecturer in 1967).

In actuality the Department of Computer Science was formally set up in 1969. While examining the Board minutes Prof. Jane Grimson found no reference to any.decision to establish the Dept.Computer Science in the Board minutes, but did find the decision to appoint Dr. J.G.Byrne as Head of the Department of Computer Science with effect 1st Oct. 1969 (minute 117/3 of meeting on 11th June 1969). The decision to establish the Department may have been a Council decision, but unfortunately the Council papers are not catalogued and therefore not freely available.

From then onwards many will be familiar with the departmental letterhead below:

UNIVERSITY OF DUBLIN
Department of Computer Science
Trinity College
Dublin 2
Ireland

Letterhead of the Department of Computer Science

The Graduate School of Engineering Studies (set up c.1966) was a self-financing umbrella that ran all the evening courses for undergraduates and postgraduates. Evening degrees and diplomas with a more commercial orientation commenced in 1968 and contributed greatly to the evolution of Irish computing. At one time the School ran ten evening courses; this hints at how quickly the demand for computing courses developed. Simultaneously the BAI degree itself developed over the years into a course with two computing related streams in the final two years following two common years. Not surprisingly, the first chair of Computer Science was approved by the Board in 1973, and Dr. J.G.Byrne appointed.

Trinity's first mainframe computer, an IBM 360/44, was installed in the newly formed Computer Laboratory in 1969. Then in 1973 the very interesting 'zero-instruction-set' Burroughs B1714 was installed, principally for use by the Department of Computer Science. In this machine program loading was preceded by loading the definition of the relevant instruction set. Sometime in the 1970s an IBM-360-like Interdata Model 70 minicomputer was purchased by the Department of Mechanical Engineering, which the Department of Computer Science eventually inherited. At the other end of the architectural spectrum, again some time in the 1970s, a Comdyna GP-6 / MicroHybrid-I analog computer was installed.

As the demand for graduates in Engineering and Computer Science was predicted to increase rapidly, the Industrial Development Authority (IDA) persuaded the Government to increase the number of graduates. As a result of the Government's Manpower Program in response to this proposal, the Graduate School of Engineering Studies was expanded and also relocated to Computer Science in Pearse Street, and the Moderatorship in Computer Science (Honors degree) was set up in 1979. To support this expansion a DEC VAX 11/780 was installed in 1979, continuing in use until 1988.

In the period 1980-88 a number of very interesting machines were installed in the Department: in c.1980 a Western Digital WD90 Pascal Microengine (p-code machine for Pascal, an imperative high-level language); in c.1982 a VICOM Image Processor; in c.1983 a Symbolics 3600 Workstation (stack machine for Lisp, a functional language); also in c.1983 a Teradata DBC/1012 tree-structure database machine; in c.1984 a 16-node Intel iPSC Hypercube (4-dimensional cube of compute nodes); in c.1986 a Meiko CS1 Computing Surface (16 transputers, stack machines for Hoare's Communicating Sequential Processes); in c.1988 an ICL Clan 4; and again c.1988 an IBM AS/400 (IBM's successor to their System/38, unfortunately without capability addressing). The Teradata and Hypercube & Meiko show even in the 1980s the Department was engaged in what are now the hot topics of big data and parallel computing.

The M.Sc courses continued to run and were considerably changed over the years. Some specialised courses were introduced, notably an M.Sc. in Computer Systems Design. This was run on a part-time basis over two years in response to a suggestion from Digital Equipment Corp (DEC) in Galway. In support DEC installed a VAX 8530 in 1989, allowing the VAX 11/780 to be retired.

In 1989 the Department also installed '*wilde*', an appropriately-named Apollo DN10000 VLIW (very long instruction word) mini-supercomputer, along with three DN3550 workstations, all running the Domain/OS operating system and the Mentor Graphics CAD package.

In the mid-1990s the main departmental system became a less exciting DECsystem 5830 MIPS-based machine, essentially a superset of their MIPS-based workstations. Then c.1997 the DECsystem was replaced by a slightly more exciting Sun Ultra Enterprise 450 using the UPA packet-switched interconnect.

Throughout this whole period many smaller machines were used within the Department, both dedicated graphics machines and graphics workstations (for example, a Ramtek 6200A), a great array of IBM, Apple, Sun, HP and DEC personal machines, uniprocessor and multiprocessor servers of various types (e.g. Cromenco/Z80, Corollary, Heurikon), including slightly larger systems (like VAX 11/730, 11/750, MicroVAXes, and Alpha servers) within research groups in the Department. In c.1984 a Northstar Dimension became the first PC teaching tool in the Department, with 8 workstations and one base unit, followed in later years by complete labs full of PCs.

The student numbers grew from 189 in c.1970-71 to 1123 in c.1996-97 (Fig.3). This put a lot of pressure on space. Initial computer science activities were based in 21 Lincoln Place from approximately 1962 to 1968. When the IBM 360/44 arrived in 1969 these activities moved to a Terrapin Hut in the Fellows Garden, now Fellows Square, and stayed there until 1972. The Department of Computer Science, Department of Statistics and Computer Lab were all based there, and a second Terrapin Hut was located nearby for use as a lecture theatre by these departments. The imminent building of the Arts block forced the Department of Computer Science and Computer Lab to move to Pearse Street in Sept. 1972. From 1972 to 1988 the Department had its base in 192-205 Pearse Street, but gradually outgrew that space; very crowded but companionable coffee/tea breaks were taken cheek by jowl in a room about three metres square. The move to the O'Reilly Institute in 1988 created a very temporary reprieve, but as computer science evolved so did the teaching and research numbers, and so did the pressure on space; at one point the Department was spread over eight locations.

Research had always been active, initially within the M.Sc. courses. Research became very active in the late 1970s with research on the development of packet switching networks. The Department was involved in EURONET and the information retrieval system built above it (Diane). In 1980 a Cambridge-ring (token) network was installed, as well as the first "Ethernet" (3Mbps network linking assemblies of MC68000 and network boards designed in Stanford University that Sun later used in its first workstations). In 1982 an ESPRIT (European Strategic Research Program in Information Technology) pilot project on an Expert System Builder (Project 96) with partners from five countries was funded by the European Commission. In the following year the Distributed Systems Group (DSG) received very substantial funding for a distributed systems project. This eventually led to the setting up of IONA Technologies, whose CORBA middleware for linking incompatible machines was very successful and installed in many countries. Work continued in the networks area especially in conjunction with the European Unix Users Group and led to the formation of a campus company, IEUNET, which was the first internet service provider in Ireland.

The Computer Vision Group specialised in the development of automated inspection systems for printed circuit boards, involving a substantial robotics component. Special purpose machines were acquired, including in c.1982 a Smart Arms robot manipulator,

in c.1989 a 16-node transputer system designed in the Department, and in c.1994 a Datacube MaxVideo VME-bus realtime image processor and Universal Machine Intelligence (UMI) RTX SCARA-configuration robot manipulator. The group's work was funded by the Advanced Manufacturing Technology (AMT) program supported by the Irish Government and EU structural funds, eventually resulting in the campus company M.V. Technology (later sold to Agilent, the instrument spinout of HP).

Throughout this entire period Prof. J.G.Byrne conducted a long personal campaign to computerise TCD Library's 1872 Printed Accessions Catalogue (with entries in at least eighteen languages). This involved automatic optical character, word, language and lexicon recognition, eventually becoming the established online catalogue for the old accessions, with a highly-praised user interface.

On the theoretical side there was work on axiomatic programming, logic programming, particularly an implementation of Prolog and control of logic programs and formal methods. There was more application-oriented work on text compression and an implementation of COMAL, a language for use in secondary schools. In 1985 major funding was secured from the European Commission for ESPRIT project ToolUse (Project 510); a large group worked on this project for five years and it also spun off a software tools company, Generics. Throughout the 1980s an interesting avenue of research was pursued on lambda-calculus silicon compilation, with associated efforts on integrated circuit design (first with home-grown tools but ultimately Mentor Graphics) as well as 3-d line-drawing and solid-modelling graphics libraries.

The first hardware research in the Department was to design a wirewrap input/output board for the Burroughs B1714 to connect it to the IBM 360/44. Next a Pascal-oriented microprocessor (POMP) was designed and built. Then a number of NS32000-based projects were conducted, initially on the theme of instruction-set virtualisation, and later on the design and construction of the first Irish Unix workstation (Trinity Workstation), ten of which were used for teaching purposes. This was followed towards the end of the 1980s by work on transputers, shared-memory multiprocessors and SCI (scalable coherent interconnect), along with related fault-tolerance and redundant storage arrays. From the mid-1990s work began on Beowulf clusters running Linux plus messaging libraries such as MPI or PVM, starting with a 4-node prototype cluster using SCSI as interconnect. A 16-node Beowulf cluster plus custom-built RAID storage was constructed c.1997, with strong support from Prof. J.G.Byrne, for use by the Department. This was superceded by a number of increasingly sophisticated clusters and storage systems, eventually with about 2k Intel x86 cores and over 600TB of storage serving both the Grid-Ireland infrastructure and supporting CERN LHC computing. A substantial portion of all this became the basis of the School of Computer Science and Statistics (SCSS) School Cloud, the remainder supporting the LOFAR radiotelescope in Birr. For all of these and many other hardware, sliderule, software and literature items see the online SCSSTreasures catalog of The John Gabriel Byrne Computer Science Collection.

A great deal more detail can be found in the Memorial Discourse on Prof. J.G.Byrne presented on Trinity Monday, 2018, by Prof. Jane Grimson (of this Department, and former Vice Provost) [2], in the nine interviews of Prof. J.G.Byrne by Maurice O'Keefe [3], in the book on Prof. J.G.Byrne edited by Chris Horn [4], in the podcast on the life of Prof. Byrne by Patricia Baker [16], and in the obituaries of Prof. J.G.Byrne [5, 6, 7]. The history of the

Department's major contribution to Irish networking and the Internet is outlined in [8]. The history of the Department of Computer Science is online in [19], and Jean Maypother's compilation of the complete list of Computer Science courses run by the Department [9] is preserved in the associated online folder. Further details can be found in the history of the Department of Statistics (now amalgamated with Computer Science in the School of Computer Science and Statistics) [10], the history of the Computer Laboratory (now IT Services) [11], the history of TCD Library computing [17], the history of computerisation of TCD Library's 1872 Printed Accessions Catalogue [18], the history and the video on computing education in Irish schools by Elizabeth Oldham [12], the video about Professor Byrne [13], and the videos on the Department and the School [14, 15].

Many thanks to all who have contributed to this document.

Academic Staff Rollcall

Start Date	Photo	Name	Entry into Department
1963		John Gabriel Byrne	Engineering postgrad in 1958, lecturer in 1963, Head of Department of Computer Science 1968, foundation Professor of Computer Science 1973. Sadly passed away in 2016. R.I.P.
1964		Neville Harris	In 1960 I went to the USA for graduate studies, which involved extensive use of an IBM 650 computer (forerunner of the IBM 1620), solving engineering problems using FORTRAN, assembly language programs, and the Integrated Civil Engineering System (ICES). When Trinity purchased their IBM 1620 Prof. Wright organised research funding and enticed me back in June 1964 to work with John Byrne to set up the new 'computer section' in the School of Engineering
1969		Francis Neelamkavil	I arrived as an M.Sc. student in Oct. 1965, changed over to the Ph.D register in Jan. 1966 under the supervision of John Byrne, and was awarded the first Ph.D degree in Computer Science in 1968, appointed Lecturer in 1969, Senior Lecturer in 1979, Fellow in 1987, and Professor in 1992. Computing facilities during my Ph.D days included an IBM 1620, paper tape/punch cards and an IBM typewriter. It took more than eight hours to solve a set of partial differential equations, and one could easily see a flickering configuration of lights indicating the execution of each instruction.
1970		Dan McCarthy	I graduated in West Australia, then became Prof. Byrne's Ph.D student from about Mar. 1969, and then a Junior Lecturer in about September in either 1970 or 1971.
		David Abrahamson	I first saw the IBM 1620 in the Spring of 1963 - it was the year before I left school and I came as part of a group. Subsequently one of my friends was on the first M.Sc. course and John allowed me to sit in on the short Fortran programming course which you have mentioned.
		Tony Redmond	Having done Elec.Eng. in UCD, and interviews by Dr. Byrne (as he was) and Neville Harris, I did a Computer Applications M.Sc. in 1967-68, using the IBM 1130. Then industry, an M.B.A. in USA, then industry again. In Summer 1971 I did 50+ interviews, and am still waiting for replies from some! John Byrne offered me a temp post, with the carrot of a house loan from College. So despite a desire not to enter academia, this had the desired result for a penniless, married student.
		Thomas J. Sweeney	Tom came from Donegal but had worked in Manchester University. Sadly he was killed in a car crash c.1979 in France, and the departmental Libraries in 200/201 Pearse Street and then the O'Reilly Institute were named after him. R.I.P.

		W.F.C. (Michael) Purser	Maths and Computer Science lecturer from the early 1970s until at least 1983. His office in Pearse Street was opposite that of Francis Neelamkavil. He lectured on Data Networks (network protocols, RS-232 signalling, etc), was a co-founder of Baltimore Technologies in 1976, was the principal driver behind the X.25 work from 1979-82 to link universities in Ireland that gave rise to HEAnet, and has a deep interest in cryptography (co-inventor of the Cayley–Purser algorithm).
1990		Marie Redmond	I joined the Dept. in 1990 to do a PhD under John Byrne which I never finished! He told me that he was crazy to accept me as I had scraped a pass degree! John then asked me to set up a Research Group in Multimedia in 1991 and this became X Communications in 1994 and John became a Director.
		Mary Sharp	I first met Prof. Byrne in my final year B.Sc.(CompSci) in 1988. In Oct. 1988 he asked me to lecture to the B.Sc. class on Operations Research, then supported me to get *"Free transfer under the Bosman ruling"* from UCD to TCD in the mid 1990s. When I first interviewed mature students he said just ask them to differentiate x^2. In the years we interviewed together only once did anyone say 2x with a look "is there a catch". After that anytime I interviewed I also asked this!
1983		Dudley Dolan	Having graduated (BAI, 1962) I joined IBM. I worked in Industry in a number of roles, then joined the Department in Jan. 1983 as Course Director of the B.Sc. Computer Science (evening), taking over from Lewis Leith. My first lectures were on Operating Systems following a course started by Colleen Kitchen. It was not my choice (I did not know much about it) so the next year I changed to Information Systems!
1990		Alan Mullally	I joined TCD in 1990 at the tender age of 50, a late vocation after 26 years in IT within business & industry in Ireland and the UK, a digital journey from early machine languages on through countless other languages, OSes, dBs, acronyms, tools and techniques. Prof gave me encouragement, freedom & resources to develop evening degree programmes that at peak had over 500 students. It was said the undergrad cadre with its M.Sc. and even a few Ph.D entrants may have been the most qualified '1st year' in TCD!
		Tim O'Donaghue	Tim was an external lecturer highly involved in the Systems Analysis Diploma course. R.I.P.
1994		Denise Leahy	Having worked in information systems and computing in Guinness Ireland, I began my life in College as a guest lecturer before being appointed as a full time lecturer. I worked mainly with the evening degrees in Information Systems and Business and Information Technology.

Year	Photo	Name	Description
1970		Lewis Leith	Initially I completed an M.Sc. in the Department in 1965. After a spell in University of Glasgow and HP in sunny California, I returned as a post-doc in 1970 and then senior lecturer. In 1977 I became involved with early Apple computers, to the consternation and amusement of the "Mainframe" brigade. Eventually, after 15 years as an academic, I left to form Softech, one of the early personal computer companies. After 25 years the company was sold to an American multi-national and I began my luxury villa business in South of France which is still going strong.
1983		Dave Vernon	I was a BAI student from 1975 to 1979 and returned to do a Ph.D in 1981, becoming a full-time lecturer in 1983.
1992		Gerry Lacey	I was a BAI student from 1986-1991 and from 1992 I was a research engineer on an EU project on circuit board inspection with the Computer Vision Group. In 1994 I became a Ph.D student in mobile robotics and a temporary lecturer in 1995. I became full-time in 1998 when the departure of the Iona founders created posts within the Department.
1979		Jeremy Jones	I moved with family to Ireland in 1971 and spent 5th and 6th year at Mountjoy Marine School. My first time in TCD was Freshers Week 1973. I did a BAI from 1973-1977, after which I had a job lined up with ICL Stevenage, but decided to stay on for a Ph.D with Neville Harris. I joined the Department as a full-time staff member in 1979 thanks to being in the right place at the right time with the introduction of the new B.A.(Computer Science) degree funded by the Manpower Program.
1979		Chris Horn	I was a BAI student from 1974-1978, and I vaguely recall having had physical access to the Terrapin hut in the Fellows Garden in the early year(s) of my degree. I started an M.Sc in Sept. 1978, but then transferred to a part-time Ph.D when I joined the faculty (I finished my Ph.D at the end of Aug. 1983). I remember that Jeremy Jones, Mike Brady and I all started the same day as full-time academic staff in Sept. 1979.
1980		Mike Brady	After graduating (BAI, 1976), I worked in Mitel in Shannon. I joined the Department as a lecturer in Aug. 1980, and got involved in Prolog (thanks to John Gallagher) and what would now be called classic AI. With Prof. Byrne, John Gallagher, Jane Grimson, Hans-Jürgen Kugler, Micheál Mac an Airchinnigh and others we became involved in Esprit Project 96, one of the first European projects Trinity was involved with. After industry what was really attractive was the great freedom we had in pursuing our own interests, albeit with fewer resources.
		Robert Friel	Very talented and likeable South African academic, who sadly died on sabbatical in New Zealand. R.I.P.

		Brendan Lynch	South African compatriot to Robert Friel, working on the Comal project funded by the Dept of Education.
1980		Brian Coghlan	I joined from the IIRS, having applied in 1979 for a post in Physics, but then been called by Staff Office to say that Prof. Byrne would like me to consider joining Computer Science. With kindness and goodwill from several chats with Prof over coffee I flew home in Feb. 1980 to West Australia (I'd been away for 13 years and my wife and family had never been there), and returned in Oct. 1980 to start in TCD.
1972		Kevin Ryan	When we graduated - all 7 of us - in 1971, there were few takers for the penury of graduate study versus the burgeoning prospects in industry. I started an M.Sc. under Prof. Byrne, but as the evening B.Sc. became very popular, I became a junior lecturer at the tender age of 22. The day after I was made permanent - after 3 years probation - I resigned and took to training programmers in the Zambian mining industry. Some years later, after a spell at the Univ.Kansas, I rejoined the Department, my rampant ingratitude mercifully forgotten.
1979		John Gallagher	Undergrad programming courses by Neville Harris, David Abrahamson, Kevin Ryan & John Byrne sparked my interest in computing. With logic courses by Elizabeth Oldham & Ross Skelton from philosophy, this led me to ride the AI wave of the 1970s and early 1980s. A visiting Australian professor, John Debenham, introduced me to Prolog. After completing my Ph.D supervised by John Byrne in 1983, I worked for a year with Mike Brady as a research assistant on the Department's first Esprit project "Expert Systems Builder".
1992		Padraig Cunningham	I came to TCD Computer Science as a Ph.D student on 1st Apr. 1985. I completed my Ph.D in 1988 under the supervision of Mike Brady and left to work in industry. In Sept. 1992 I returned to the Department as a lecturer and stayed until Sept. 2006.
1980		Jane Grimson	I was in the first group to graduate in Computer Engineering from Trinity in 1970. I joined the Department as lecturer in 1980 following a Ph.D from Edinburgh and lectured on the subject of databases.
1981		Sean Baker	I completed my BAI degrees in 1980, having taken as many computing and hardware courses as possible. So few students did this at the time that three of us undergrads were invited to the 1979 Computer Science staff Christmas party! Prof paid for the wine. After completing an M.Sc. in Sept. 1981, I started a year's part time lecturing on the IBM 360 assembly language (whose idea was it to teach this to undergrads as their first programming language?), and was appointed fulltime in Sept. 1982.

1987		Annrai O'Toole	I graduated from TCD BAI (Computer Engineering) in 1987, and immediately joined the Department as a Research Assistant, 'concurrently' working on an M.Sc. in parallel computing in the Distributed Systems Group (DSG) and lecturing undergraduates on Systems Software. I finished up in TCD in Apr. 1991 when I took the adventurous (for those days) plunge to become the very first employee of IONA.
1984		Alexis Donnelly	I first saw inside the Department as a starry-eyed BAI student when queuing for my tutor (Francis Neelamkavil) in 1977. Just the welcoming and secluded spot to be absorbed by the intricacies of Burroughs machine and assembly language on punched cards. Helen Smith had a fantastic recipe for homemade lemonade at Christmas parties. I did an M.Sc. and became a lecturer in 1984, whereupon Mr.Graham, considered our most respected and gifted mathematics lecturer, told me that I could now call him "Philip" - I had made it.
1980		Brendan Tangney	I came to the Department from Cork in Oct 1980 to do an M.Sc. in Computer Science. It was the one and only time the course was advertised in the Cork Examiner and my mother saw it. She said you do something about computers don't you and here I am still doing something about computers. The Prof called me "Mr.Tangney" when I first met him and that made an impression on me. Then Neville Harris took the M.Sc. class for pints and sandwiches. I owe a lot to both!
1989		Vinny Cahill	I came to Computer Science as an undergraduate in 1981 (the third year of the BA(Mod) in Computer Science programme), as far as I can remember, without ever having used a computer! I stayed on afterwards to do an M.Sc. by research with Neville Harris and Chris Horn in the Distributed Systems Group while working on a number of EU-funded projects. I was appointed to a lectureship in 1989 and have enjoyed working here since!
1991		Ken Dawson-Howe	I graduated from our Computer Science programme in 1987, went to work in banking in Japan, returned to do a Ph.D in Computer Vision and joined the lecturing staff in 1991.
		Hugh Gibbons	I graduated from Trinity with John Gallagher in Maths and Philosophy, went to UCLA and met my wife. When I returned to do the M.Sc. in Computer Science, John Gallagher advised me to learn Interlisp, which was on TCD's DEC 2060. The theorem prover Affirm (not the racehorse Affirmed, although icons were horses) was written in Interlisp, and a program verifier was written in Affirm. To misquote Tony Hoare, Interlisp was a great improvement on most of its successors.
1990		Lucy Hederman	When I arrived in 1981 as an undergrad, the shelves in the VAX terminal room we used were heaving with boxes of punch card programs. I started a Ph.D in Oct. 1988 and was appointed a lecturer in Oct. 1990. But my first experience of the Department was as a BAI student in 1981, programming on the VAX 11/780, booking 20min slots at the terminals, to a maximum of 2 hours per week. In 3rd year we were the first Microprocessor Systems cohort to use the Motorola 68000.

		Arthur Hughes	I graduated BA(Mod) in 1994. Prof. Byrne heard that I was good at teaching the younger undergraduate students while I was demonstrating for Mike Brady on 1E3 Engineering Computer Science and for Ken Dawson-Howe on 2BA3 Systems Programming. He then suggested that I might like to apply for one of a number of lectureships which were becoming available in the Department. I owe my career to this suggestion by Prof Byrne.
1984		Donal O'Mahony	As a BAI 'Computer' student 1978-82, I cut my computing teeth preparing punched card programs for the Burroughs B1714. The next day was spent pouring over printed memory dumps hoping for the right answer not the dreaded ABEND. Later I used the DEC 2020 or IBM 360 / GUTS, and in final year the Ramtek and VAX 11/780, also a PDP/11. I joined the Department in 1984, and used the Northstar a lot. Being uncool, I used a PC with X-windows desktop, not cloud servers with infinite compute and storage, not even a Mac.
1993		Vinny Wade	I joined the Department in 1987 as probably the first computer scientist (new postgrad student) to arrive from UCD to TCD. Prof. Byrne himself greeted me on arrival! Prof also gave me my first lecturing opportunity in 1988, and I was appointed lecturer in 1993. My recollection of the early days in the Department was running up and down Pearse Street between the various buildings (nos.192-201) for EU project meetings & tutorials as the Department had by then stretched across eleven buildings!
1992		Andrew Butterfield	I was going to do Engineering at UCD (my father taught History there) but when Chris Horn gave a talk at my school, that convinced me to come to TCD instead. BAI (1983, with final-year project in the Department) and a Ph.D on silicon compilers in the Computer Architecture Group (1990) then ensued. I did some self-employed consultancy for a few years (alarm monitoring, formal conceptual mapping) before returning to the Department in Jan. 1992.
1980		Colleen Kitchen	I'm a country girl from Kansas and fancied I'd be unhappy in a big megalopolis, so turned down Bell Labs and went to Ireland, staying with Kevin Ryan & family until I got a job writing DIBOL. When I wanted a change, Kevin said Trinity had a post right up my alley. I got grilled hard but answered off the top of my head and got there, then scrambled like hell to keep ahead the whole first year. I owe a lot to Helen Smith, who helped turn my American into English. I also worked on the Comal project funded by the Department of Education..
1979		Mícheál Mac an Airchinnigh	After a Maths B.Sc. in London and CompSci M.Sc. in Dublin, I joined the Department as a lecturer in 1979, also starting a Ph.D, dead keen on computer graphics (many enjoyable debates with Brian Coghlan) as well as formal methods (even more enjoyable debates with Hans-Jurgen Kugler, with whom I later set up Generics Software Ltd).
1995		Steven Collins	I started in TCD as a Computer Science undergrad in 1987, graduated in 1991, then started a Ph.D in Computer Graphics, financially supported by Prof. Byrne (thanks Prof!). I joined the staff of the Department as lecturer in 1995. Together with Hugh Reynolds, in 1993 I started the ISG computer graphics research group, and in 1998 formed the spinout company Havok commercialising results of the group. I was fortunate to be able to repeat this with GV2 and Kore.

1996		Hugh Reynolds	Together with Steven Collins, in 1993 we started the ISG computer graphics research group, and in 1998 formed the spinout company Havok commercialising results of the group.
1996		Paddy Nixon	I did a Ph.D at University of Sheffield and, after an interview chaired by Neville Harris, joined the Department in 1996 as a lecturer, where Prof. Byrne gave me my first real research opportunity. In his inimitable style he quietly came into my ORI office and said "I think you should apply for this". The result was my first big grant that kick-started my research career. During that time I was also Warden of Trinity Hall where my two sons were born. Trinity Computer Science was life changing!
1999		Andy Nisbet	I arrived in Sept. 1999 to start as a lecturer on the new ICT degree programme, and returned to Manchester in July 2004. Overall, I thoroughly enjoyed my time at Trinity which was, and presumably still is, a great place to work, and had a great time living in Dublin during the boom years. There were also quite a few memorable academic discussions had over a few pints of Guinness in Mahaffy's - if only I could remember what they were about - but they made sense at the time.
		Simon McGinnes	Taught on the evening course. Was a strong proponent of the connection between the university, business and government. Now at the University of Exeter.
1993		Vincent Jordan	I joined the Department of Computer Science in 1993 to work with Alan Mullally in the early years of the evening degree programmes. I learned a lot from all the staff in the Department and benefited greatly from the support they gave. A distinct memory is Brendan Tangney at a departmental seminar presenting the first website I'd ever seen. He said "This World Wide Web is going to be big and the Department should do one".
		Mike Reape	Worked in the Department c.1995-2000, specialising in natural language processing.
1990		Fergal Shevlin	In 1989 I began an M.Sc. with Francis Neelamkavil. Little did he know my motivation was to escape a boring job in DEC. One of my first tasks was to buy a 500 MB disk for his DECStation 3100. It cost £12,000, equal to my DEC salary. In 1990 Francis urged me to apply for a lectureship; at the interview Neville Harris liked how I'd typeset my application form on a Mac! I started on the same day as Lucy Hederman and Mark Keane, sharing office with Lucy for 6 yrs. Prof was a great support through my Ph.D, giving me a fancy RS/6000.
1990		Mark Keane	Around 1985 I remember sneaking into to a room in Computer Science in Pearse St to use an Apple Lisa. I started in TCD in Sept. 1990. I remember that soon after we were using Sun Workstations in my Lisp course. Also in 1990 there was a museum room around the corner from my office where I remember seeing a Whitechapel Workstation (I had seen these in QMC where I had worked in London).

| 1980 | | Hans-Jurgen Kugler | While on holidays in Ireland Lewis Leith said the Department had advertised positions as lecturer. I was camping in Killiney at the time and sat down at the beach to apply with inspiration. It worked and I started on 1st Jan. 1980. Software engineering, then formal methods were my area. Prof. Byrne encouraged me to join Esprit projects. The success changed my life and that of many of our students. |
| 1997 | | Carol O'Sullivan | I joined the Department in 1997 having spent some years working in Germany. Prof. Byrne always had a great interest in Computer Graphics and encouraged and supported me from the start. |
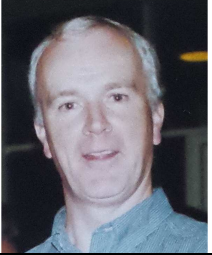
Support Staff Rollcall

Start Date	Photo	Name	Entry into Department
1961		Michael Rogers	Dr. Brendan Scaife interviewed me for the position of Senior Electronics Technician at the Electronics Laboratory TCD in 1961. After a final interview with Professor William Wright I was offered the position. I was the first electronics technician in the Engineering School, and very involved with the IBM 1620 installation. Later I became Managing Director of the Bull Cara Group.
		Vivian Killeen	The first operator, a Mathematics graduate from Cork, who subsequently married and emigrated to Australia.
1963		Rosemary Murphy	I started working in Trinity College on the 1st Nov. 1963. My interview for the position of operator/programmer took place in the RDS at the Science Exhibition where one the first computers in Ireland, an IBM 1620, was on display. I continued to work for John Byrne for the next 50 years. It was the most exciting and changing area to work in as technology developed rapidly. The Department of Computer Science was the best place to work.
1978		Ann Gallagher	After Gerry Giltrap mentioned that CompSci was expanding, I had a chat with Dr. Byrne (no interview!). That's how I arrived in the Graduate School of Engineering Studies, situated in the Department of Computer Science, from another office in College c.1978. I worked under Dr. Byrne and Prof. Wright, and stayed until my retirement in 1998.
		Daphne Gill	I started work in the Department in the early 1970s as John Byrne's secretary. At that time the Department was located in a terrapin hut in the Fellows Garden behind the Old Library (where the Arts building now is). I feel very lucky to have worked in one of the best departments in college – thanks John! A very hard wrench to leave but as John said Lee Lyons "poached" me to work in the Provost's Office in the mid 1970s, working there until I retired.
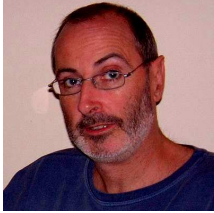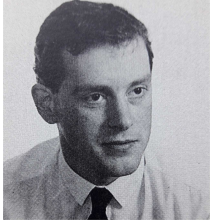
		Helen Smith	Prof. Byrne's secretary and a major glue of the Department.
1971		Bernadette Greaney	After working in the Computer Lab in 1970, then at Boston University, I received a letter from Dr. Byrne (as he was then known) asking me to join his new Department in Mar. 1971. I worked with him, Neville Harris, Dr. Francis, Martin Newell, and Rosemary Welsh who were staff, also David Abrahamson, Kevin Ryan, Dan McCarthy, Mike Nolan and Robert Friel, who were students, but some became members of staff afterwards. I left the Department to move to Cork in March 1978. Happy times!
		Suzie Packenham-Walsh	Worked with Helen Smith, subsequently married Chris Horn.
		John Green	Technician c.1977-1982.
1977		Mike Nowlan	I did the M.Sc. in Computer Applications in Oct. 1971 to June 1972, then worked in the Computer Lab July 1972 to Dec. 1975, Sweden Jan. 1976 to Dec. 1976, Computer Science Jan. 1977 to Dec. 1977, back to Computer Lab Jan. 1978 to Sept. 1979, Computer Science Oct. 1979 to June 1995, finally IS Services July 1995 to Dec. 2007.
1979		Bryan Alton	In 1968 I visited Dunsink Observatory and saw the Department's original IBM 1620. My BAI (1978) project under Dr. Harris was on an LSI-11/23. I started a CompSci M.Sc. in 1978 under W.F.C. Purser on a DEC-20 X.25 interface. I joined the Department in 1979, working with Mike Nowlan setting up the shiny new VAX 11/780, doing projects like VAX Unix-32V, a closed VMS environment for BA(Mod), and an A4 pen plotter for Robert Friel. I completed my M.Sc. and left the Department in 1982.
1982		Gerry O'Brien	I first met Prof. Byrne in the summer of 1977. He advised me to do the B.Sc. in Computer Science and I enrolled that autumn. We programmed the IBM 360 in assembler using punch cards. He taught me numerical methods. I joined the Computer Lab in Nov. 1978 as a Cobol Programmer and moved to Computer Science as a Systems Programmer on 1st Apr. 1982. I was appointed Systems Manager in Feb. 2009.
1978		Rachel Noctor	I joined the TCD Computer Lab in Sept. 1971 as an Operations Assistant. It was busy with very demanding hours, providing services 24/5. In 1977 I began an evening degree in UCD. In 1978 I heard of a temp post in the Department and in the middle of a night shift wrote to Dr. Byrne. I don't recall any interview. He was very supportive while I did the degree despite it not being Computer Science! I've never forgotten those early years for the camaraderie and friendships we made.

1988		Máire McAnally	I graduated in Maths in 1985, sharing lectures with Engineering Students. I started temp work in the Computer Lab in Sept. 1987 but shortly after saw a permanent Junior Programmer job advertised by the Department of Computer Science. I applied, and joined the Department in Feb. 1988. I completed an M.Sc. in Computer Science in 1992, under the supervision of Jane Grimson.
		Marion Mannion	Marion was a highly efficient young lady from the West of Ireland who joined the Department in the early 1980s and was of great help to Prof. Byrne in the day-to-day running of an exciting and expanding department.
1986		Mary Murray	I joined the Department in 1986. The first day I went over to meet Dr. Byrne in Computer Science, Pat Daly from the Staff Office went with me. I remember her saying "now Mary you will be working with one of the nicest people in College and I think you will get along very well". How right she was.
		Tom Irwin	I ran a small printing service for the Department of Civil Engineering in the 1970's. Most of the printing in the end was for the Department of Computer Science, so Prof. Byrne suggested I join them in Pearse Street and I have been with the Department since then.
		Brendan Kiernan	Chief Technician, c.1982-1993, during which he did sterling work, including designing the Department's famous Logic Tutors, then did a Ph.D on logic spaces.
1982		Seamus Guiry	In 1982, I applied for a post in the TCD Computer Lab and at that time Prof. Byrne asked me to join Computer Science as a technician. This when 8-bit microprocessors were "cutting edge" and silent prayers were essential to ensure code loaded from audio cassettes! It was an era of Lear Siegler terminals, Diablo printers, etc., but also when a great staff camaraderie, kindness and good humour paralleled the avant-garde research in a growing dept, of all of which I still hold fond memories.
1981		Tom Meleady	I worked in the Department of Computer Science from Mar. 1981 to Sept. 1992 where I met my future wife Catherine. We moved to Vancouver, Canada, where I had a complete change in career direction and became a Police Officer with the Royal Canadian Mounted Police, and am still serving and living with Catherine and our three children in Vancouver.

1993		Tom Kearney	I joined the Department in Apr. 1993 having worked for 14 years in the minicomputer industry. The following years were very significant in terms of growth and expansion in the Department. It was a great field of work to be involved in with significant investment in computer hardware labs and new networking technologies, and (unusually for a CompSci department but showing its Engineering roots) lots of hardware research.
1990		James Murphy	Joining Computer Science straight from College in 1990 as an Electronics Technician, Prof. Byrne took me under the same wing as his collection of army lads and other hopefuls he had recruited. Before college I had spent 5 years working in the old P&T and Prof. Byrne often asked how the 'Postman' was getting on. With his support and encouragement I went on to get a B.Sc., an M.Sc. and a H.Dip. in Education, completing the journey from Postman to Postgrad. Thanks Prof.
1989		Cathal O'Connor	Prior to joining the Department I'd graduated from DIT (1984) with a Diploma in Electronic and Telecommunications Engineering, then worked in the computer industry in Ireland at Floating Point Systems. After I came to the Department in 1989 I progressed to a B.Sc. Computer Science (1993) and an M.Sc. in IT in Education (2002), both from TCD.
1989		Stephen Kenny	Having graduated in Physics at UCD, I started in the Department in Feb. 1989, having worked in diagnostic imaging in Blackrock Clinic and then EuroKom (UCD). I heard about the job via a chance meeting in the Palais des Congrès in Brussels, where EuroKom had a stand at an exhibition! Donal Daly, who at the time worked in the Distributed Systems Group, mentioned that they were looking for a system administrator.
1997		Colm Buckley	After a sabbatical in the Graduate Students' Union, I joined the TCD CS Systems Administration group and worked there for a few years (highlight: setting up the first Linux undergrad shell server!). I left in early 2000 for a start-up, and joined Google a few years later. Still at Google as of late 2019.
1993		Willie O'Connor	I joined Sept. 1993 as a technician after 11 years in the Army. I arrived while the Chief Tech was on holidays. Boy did he get a shock. I remember Prof asking me to hack some software to remove limitations so we could properly test it (my machine coding was a lot better in those days), and we did buy it after testing. I later moved to be a sysadmin in the Department and this time I got the shock! I played a lot of fun 5-a-side soccer with Tom in the Department.
		Monica Sweeney	Sadly Monica died in Feb. 2005, a large number in the Department went to the funeral. R.I.P.

		Ceridwen (Criddy) Taylor	Criddy worked in the departmental administration.
1982		Colin Manning	I graduated in Computer Science at UCD in 1982 and then crossed town to work in Mike Nowlan's team. I shared office with Rosemary Welsh, and as well as acting as a programmer, fiddled with 3D computer graphics with Dave Vernon on the early robotics research projects. I was an (over) enthusiastic member of the Department 5-a-side soccer team, and organised a few games against UCD Computer Science, where I was the target of much abuse from both sides!
1996		Catherine O'Connor	I was introduced to TCD by Denise Leahy in 1996 and gave my first guest lecture in the beautiful Museum building to mature students on Mary Sharp's course on the B.Sc. in Computer Science evening degree. As they say – the rest is history!
1997		Natasha Blanchfield	I joined the Department as a teenager in 1997 after an interview in House 4 with Prof. Byrne, Pat Daly and Mary Murray, bubbling with excitement at the prospects of joining a department with such futuristic views. I recall the days of being told of VR, trying it out for the first time, seeing robots moving up and down hallways. What a place to work!
1998		Gillian Long	Following my interview with Mary Murray and Prof, I was invited along to the Pink and Black Christmas Party that took place in the ORI Foyer in 1999. Spotting Brendan Tangney wearing pink nail varnish for the event, I knew it was going to be a great place to work.

The Online SCSSTreasures Catalog

The online SCSSTreasures catalog homepage is at: https://www.scss.tcd.ie/SCSSTreasuresCatalog/

Click *'Name/Title'* (2nd column listed) for a PDF description of the catalog item.

Click *'Accession Index'* (1st column listed) for related folder, or *'About'* for further guidance.

Accession Index	Object with Identification
TCD-SCSS-X.20121208.004	History of the Department of Computer Science, Trinity College Dublin. The evolution of computer science as reflected in the long line of machines used by the department since its inception. Vintage: c.1969.
TCD-SCSS-V.20180409.001	Jane Grimson, Memorial Discourse on Prof.J.G.Byrne presented on Trinity Monday. Vintage: 2018.
TCD-SCSS-X.20121208.006	History of the Department of Statistics, Trinity College Dublin. The evolution of the Dept.Statistics as reflected in the machines used since its inception. Vintage: c.1968.
TCD-SCSS-X.20121208.005	History of the Computer Laboratory, Trinity College Dublin. The evolution of Trinity College Dublin computing services as reflected in the long line of machines used by the Computer Lab since its inception. Vintage: c.1968.
TCD-SCSS-X.20180907.001	History of TCD Library computing, Trinity College Dublin. The evolution of TCD Library computing. Vintage: c.1968.
TCD-SCSS-X.20180907.002	History of computerisation of TCD Library's 1872 Printed Accessions Catalogue. The long personal campaign by Prof.J.G.Byrne, Dept.Computer Science. Vintage: c.2005.
TCD-SCSS-V.20180124.001	Elizabeth Oldham, History of Computing Education in Irish Schools. Video of presentation to Computers in Education Society of Ireland (CESI) Computer Science Symposium, September 2017. Vintage: 2017.
TCD-SCSS-V.20180312.001	Memorium and Obituaries for Prof.J.G.Byrne, born: 25-Jul-1933, died: 16-Apr-2016, see: https://scss.tcd.ie/SCSSTreasuresCatalog/Prof-John-Gabriel-Byrne-1933-2016.pdf Vintage: 2016.
TCD-SCSS-V.20180312.002	Portrait of Prof.John Gabriel Byrne, Trinity College Dublin, portrait by Atsushi Kaga. Vintage: 2005.
TCD-SCSS-V.20160929.001	Nine interviews of Prof.J.G.Byrne, TCD. O'Keefe, Maurice & Jane, 'Irish Life and Lore, Trinity College Dublin, John Byrne', CD no.55, 68:50 mins, MPEG 160kbps. Vintage: c.2012.
TCD-SCSS-V.20171231.001	Ed: Chris Horn, Professor John Byrne: Reminiscences: Father of Computing in Ireland, 2017. ISBN-10: 1520696841, ISBN-13: 978 1520696843. Vintage: 2017.
TCD-SCSS-V.20190831.001	Patricia Baker, Radio Documentary 'The Professor - Professor Byrne'. Audio Documentary by Patricia Baker on the life of Professor John Gabriel Byrne. Vintage: 2018.
TCD-SCSS-T.20160323.001	Networking and the Internet, Networking hardware and the arrival of the Internet in Ireland. Vintage: c.1991.
TCD-SCSS-T.20121208.019	IBM 1620. TCD's first computer, purchased in 1962. Vintage: c.1959.
TCD-SCSS-T.20121208.020	IBM 1130. Replaced IBM 1620, was rented in 1968 while awaiting IBM 360/44. Vintage: c.1965.
TCD-SCSS-T.20121208.018	IBM 360/44 console and subsystems. Control panel, CPU logic, core memory from IBM 360/44 installed in Trinity College Dublin to provide a service to all sectors of College, including the Dept.Computer Science, from 1969. Vintage: c.1965.
TCD-SCSS-T.20121208.032	Burroughs 1714. Commercial zero-instruction-set computer used by the Dept.Computer Science from 1973-1979. Just two prototyping boards survive. Vintage: c.1972.
TCD-SCSS-T.20121208.015	Interdata Model 70. 16-bit 'IBM-360-like' commercial minicomputer. Vintage: c.1970.
TCD-SCSS-T.20121208.027	Comdyna GP-6 and MicroHybrid I. Analog computer, unsure of vintage, could be anytime between 1968 and 2004 (only internals changed). Vintage: 197x.
TCD-SCSS-T.20121208.035	DEC VAX 11/780 control panel and subsystems. Control panel, CPU logic, memory and disk drives from VAX11/780 used by the Dept.Computer Science from 1979-1988. Vintage: c.1978.
TCD-SCSS-T.20121208.043	Western Digital WD90 Pascal Microengine. Commercial microcoded high-level language machine to execute Pascal p-code, based on WD9000 chipset developed for LSI-11 (see VAX 11/780 Console Processor elsewhere in collection). Vintage: c.1980.
TCD-SCSS-T.20121208.038	VICOM Image Processor boards. Versabus PCBs from the VICOM image processor used by the Dept.Computer Science during 1982-1990, one of the first generation of dedicated image processors. Vintage: c.1982.
TCD-SCSS-T.20121208.037	Symbolics 3600 'Workstation. Second-generation commercial Lisp machine. Vintage: c.1983.
TCD-SCSS-T.20121208.059	Teradata DBC/1012 Database Machine. First commercial tree machine, SCSS's largest treasure (and one of its most significant). Vintage: c.1983.

TCD-SCSS-T.20121208.063	Intel iPSC Hypercube. First commercial hypercube parallel machine. Vintage: c.1984.
TCD-SCSS-T.20121208.076	Meiko CS1 Computing Surface. First commercial Transputer-based microcomputer. Vintage: c.1986.
TCD-SCSS-T.20121208.067	ICL Clan 4. Commercial MC68020-based UNIX workstation. Vintage: c.1988.
TCD-SCSS-T.20121208.068	IBM AS/400. IBM's successor to the System32/34/38 but without capability addressing. Vintage: c.1988.
TCD-SCSS-T.20121208.089	VAX 8530. Departmental system, successor to VAX 11/780. Vintage: c.1989.
TCD-SCSS-T.20121208.090	Apollo DN10000. Minisupercomputer, with PRISM multi-chip CPU. Vintage: c.1988.
TCD-SCSS-T.20121208.091	Apollo DN3550 Workstation. CAD workstation, MC68030-based, running Apollo Domain/OS. Vintage: c.1989.
TCD-SCSS-T.20121208.129	DECsystem 5830. MIPS-based departmental system. Vintage: c.1993.
TCD-SCSS-T.20121208.093	Sun Ultra Enterprise 450. Departmental system that used UPA packet-switched interconnect. Vintage: c.1997.
TCD-SCSS-T.20121208.033	Cromenco, Modular industrial Microcomputer. Vintage: c.1980.
TCD-SCSS-T.20141120.005	Ramtek 6200A. Rackmounted graphics display system. Vintage: c.1979
TCD-SCSS-T.20121208.082	Corollary XM SMP. Second-generation of first commercial IBM-PC compatible symmetric multiprocessor (SMP). Vintage: c.1992.
TCD-SCSS-T.20121208.048	Heurikon HSE-10R. 5U rackmounted modular industrial microcomputer, equipped with image processing boards. Vintage: c.1988.
TCD-SCSS-T.20121208.034	Northstar Dimension. The first PC teaching tool in the department, with eight 'thin' workstations served by two base units. Vintage: c.1984.
TCD-SCSS-T.20141212.001	Sun Pre-production SUN-1 Workstations. Seminal workstation developed by Stanford University, with first-generation 3Mbps Ethernet. Vintage: 1980.
TCD-SCSS-T.20181001.001	16-node transputer system. Experimental hardware designed in the Dept.Computer Science, TCD. Vintage: c.1989.
TCD-SCSS-T.20181001.002	Datacube MaxVideo. VME-bus realtime image processor. Vintage: c.1994.
TCD-SCSS-T.20121208.042	POMP Pascal/Modula-II machine. High-level language machine to execute Pascal & Modula-II p-code. Vintage: c.1979.
TCD-SCSS-T.20150217.004	NS16032 Virtualisation Testbed. First NS16032 system built in the Dept.Computer Science, TCD, with a support processor made by National Semiconductor Ltd and experimental file and graphics processors made in TCD. Vintage: c.1981.
TCD-SCSS-T.20150416.002	NS16032 MiniDSK16 File Processor with Shugart SA460 Floppy Disk Drive. Second NS16032 system built in the Dept.Computer Science, TCD, to develop firmware for the Virtualisation Testbed File Processor. Vintage: c.1983.
TCD-SCSS-T.20121208.066	Trinity Workstation. First Irish-designed UNIX system. Vintage: c.1986.
TCD-SCSS-T.20121208.094	Experimental SCSI Cluster. 4-node prototype cluster using SCSI as interconnect. Vintage: c.199x.
TCD-SCSS-T.20121208.095	csTCDie Beowulf Cluster. Departmental cluster using 100Mbps Ethernet as interconnect. Vintage: 199x.
TCD-SCSS-T.20121208.098	csTCDie Grid Site Beowulf Clusters and Datastore. Complex of clusters & storage, participant in DataGrid, EGEE, EGI, and CERN LHC computing. From 2013 repurposed as SCSS Cloud. Vintage: c.2009.
TCD-SCSS-V.20160425.003	Class Photograph, TCD Engineering School BAI Class of 1966-1970. Trinity College Dublin, photograph that includes first undergraduate TCD Computer Science class. Vintage: 1970.
TCD-SCSS-V.20180313.001	Class Photograph, TCD Engineering School BAI Class of 1970-1971, Trinity College Dublin. Vintage: 1971.
	Class Photograph, TCD Engineering School BAI Class of 1971-1972, Trinity College Dublin. Vintage: 1972.
TCD-SCSS-V.20180312.003	Class Photograph, TCD Engineering School BAI Class of 1972-1973, Trinity College Dublin. Vintage: 1973.
	Class Photograph, TCD Engineering School BAI Class of 1973-1974, Trinity College Dublin. Vintage: 1974.
TCD-SCSS-V.20180312.004	Class Photograph, TCD Engineering School BAI Class of 1974-1975, Trinity College Dublin. Vintage: 1975.
TCD-SCSS-V.20180312.005	Class Photograph, TCD Engineering School BAI Class of 1975-1976, Trinity College Dublin. Vintage: 1976.
TCD-SCSS-V.20180312.006	Class Photograph, TCD Engineering School BAI Class of 1976-1977, Trinity College Dublin. Vintage: 1977.
TCD-SCSS-V.20180222.003	Class Photograph, TCD Engineering School BAI Class of 1977-1978, Trinity College Dublin,

	photograph with accompanying identification. Vintage: 1978.
TCD-SCSS-V.20180217.001	Class Photograph, TCD Engineering School BAI Class of 1978-1979, Trinity College Dublin, photograph with accompanying identification. Vintage: 1979.
	Class Photograph, TCD Engineering School BAI Class of 1979-1980, Trinity College Dublin. Vintage: 1980.
	Class Photograph, TCD Engineering School BAI Class of 1980-1981, Trinity College Dublin. Vintage: 1981.
TCD-SCSS-V.20180312.007	Class Photograph, TCD Engineering School BAI Class of 1981-1982, Trinity College Dublin. Vintage: 1982.
TCD-SCSS-V.20180222.002	Class Photograph, B.A.(Mod) Computer Science class of 1982-1983, Trinity College Dublin, photograph with accompanying identification. Vintage: 1983.
TCD-SCSS-V.20180312.008	Class Photograph, TCD Engineering School BAI Class of 1982-1983, Trinity College Dublin. Vintage: 1983.
	Class Photograph, B.A.(Mod) Computer Science class of 1983-1984, Trinity College Dublin. Vintage: 1984.
TCD-SCSS-V.20180312.009	Class Photograph, TCD Engineering School BAI Class of 1983-1984, Trinity College Dublin. Vintage: 1984.
	Class Photograph, B.A.(Mod) Computer Science class of 1984-1985, Trinity College Dublin. Vintage: 1985.
TCD-SCSS-V.20180312.010	Class Photograph, TCD Engineering School BAI Class of 1984-1985, Trinity College Dublin. Vintage: 1985.
	Class Photograph, B.A.(Mod) Computer Science class of 1985-1986, Trinity College Dublin. Vintage: 1986.
TCD-SCSS-V.20180312.011	Class Photograph, TCD Engineering School BAI Class of 1985-1986, Trinity College Dublin. Vintage: 1986.
	Class Photograph, B.A.(Mod) Computer Science class of 1986-1987, Trinity College Dublin. Vintage: 1987.
	Class Photograph, TCD Engineering School BAI Class of 1986-1987, Trinity College Dublin. Vintage: 1987.
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TCD-SCSS-V.20191011.001	Class Photograph, TCD Engineering School BAI Class of 1989-1990, Trinity College Dublin. Vintage: 1990.
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	Class Photograph, TCD Engineering School BAI Class of 1991-1992, Trinity College Dublin. Vintage: 1992.
	Class Photograph, B.A.(Mod) Computer Science class of 1992-1993, Trinity College Dublin. Vintage: 1993.
	Class Photograph, TCD Engineering School BAI Class of 1992-1993, Trinity College Dublin. Vintage: 1993.
TCD-SCSS-V.20190402.001	Class Photograph, B.A.(Mod) Computer Science class of 1993-1994, Trinity College Dublin. Vintage: 1994.
	Class Photograph, TCD Engineering School BAI Class of 1993-1994, Trinity College Dublin. Vintage: 1994.
	Class Photograph, B.A.(Mod) Computer Science class of 1994-1995, Trinity College Dublin. Vintage: 1995.

	Class Photograph, TCD Engineering School BAI Class of 1994-1995, Trinity College Dublin. Vintage: 1995.
TCD-SCSS-V.20180315.001	Class Photograph, B.A.(Mod) Computer Science class of 1995-1996, Trinity College Dublin. Vintage: 1996.
	Class Photograph, TCD Engineering School BAI Class of 1995-1996, Trinity College Dublin. Vintage: 1996.
	Class Photograph, B.A.(Mod) Computer Science class of 1996-1997, Trinity College Dublin. Vintage: 1997.
	Class Photograph, TCD Engineering School BAI Class of 1996-1997, Trinity College Dublin. Vintage: 1997.
	Class Photograph, B.A.(Mod) Computer Science class of 1997-1998, Trinity College Dublin. Vintage: 1998.
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	Class Photograph, B.A.(Mod) Computer Science class of 1998-1999, Trinity College Dublin. Vintage: 1999.
	Class Photograph, TCD Engineering School BAI Class of 1998-1989, Trinity College Dublin. Vintage: 1999.
TCD-SCSS-V.20180222.001	Photograph, Dept.Computer Science Retreat, 18-Sep-2002. Trinity College Dublin, photograph with accompanying identification. Vintage: 2002.
TCD-SCSS-V.20181005.001	Video of Department of Computer Science, Trinity College Dublin, Video presentation of the Department. Electronic video file in MPEG-4 format on DVD and online. Vintage: c.1994.
TCD-SCSS-V.20181005.002	Video of School of Computer Science and Statistics, Trinity College Dublin, Video presentation of the School,. Electronic video files in WAV and MOV formats on DVD and online. Vintage: c.2012.
TCD-SCSS-V.20181005.003	Student video presentation about Professor John Gabriel Byrne. Video made by one team in the 2018 Junior Freshman class asked to make videos on the history of computing. Electronic video file in MPEG-4 format on DVD and online. Vintage: 2018.

See the related documents in the associated folders in the online SCSSTreasures catalog.

References:

1. Trinity College Dublin*, School of Computer Science and Statistics*, see: https://www.scss.tcd.ie/   Last viewed 14th Feb. 2018.

2. Jane Grimson, *Memorial Discourse on Prof. J.G.Byrne*, presented on Trinity Monday, 2018, Trinity College Dublin, see: https://scss.tcd.ie/SCSSTreasuresCatalog/literature/TCD-SCSS-V.20180409.001/TCD-SCSS-V.20180409.001.pdf   Last viewed 14th Nov. 2019.

3. O'Keefe, Maurice & Jane, *Nine interviews of Prof. J.G.Byrne, TCD.*, 'Irish Life and Lore, Trinity College Dublin, John Byrne', CD no.55, 68:50 mins, MPEG 160kbps, c.2012, see: https://scss.tcd.ie/SCSSTreasuresCatalog/literature/TCD-SCSS-V.20160929.001/TCD-SCSS-V.20160929.001.pdf   Last viewed 14th Nov. 2019.

4. Ed: Chris Horn, *Professor John Byrne: Reminiscences: Father of Computing in Ireland*, ISBN-10: 1520696841, ISBN-13: 978-1520696843, 2017.

5. Irish Times, *The father of computing in Ireland*, Saturday, 23rd Apr. 2016, see: https://scss.tcd.ie/SCSSTreasuresCatalog/Prof-John-Gabriel-Byrne-1933-2016.pdf
    Last viewed 14th Feb. 2018.

6. The Library of Trinity College Dublin, *Passing of Professor John Byrne*, Memorium, 28th Apr. 2016, see: https://www.tcd.ie/library/news/passing-of-professor-john-byrne/
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THE IRISH TIMES, FRIDAY, JUNE 15, 1962
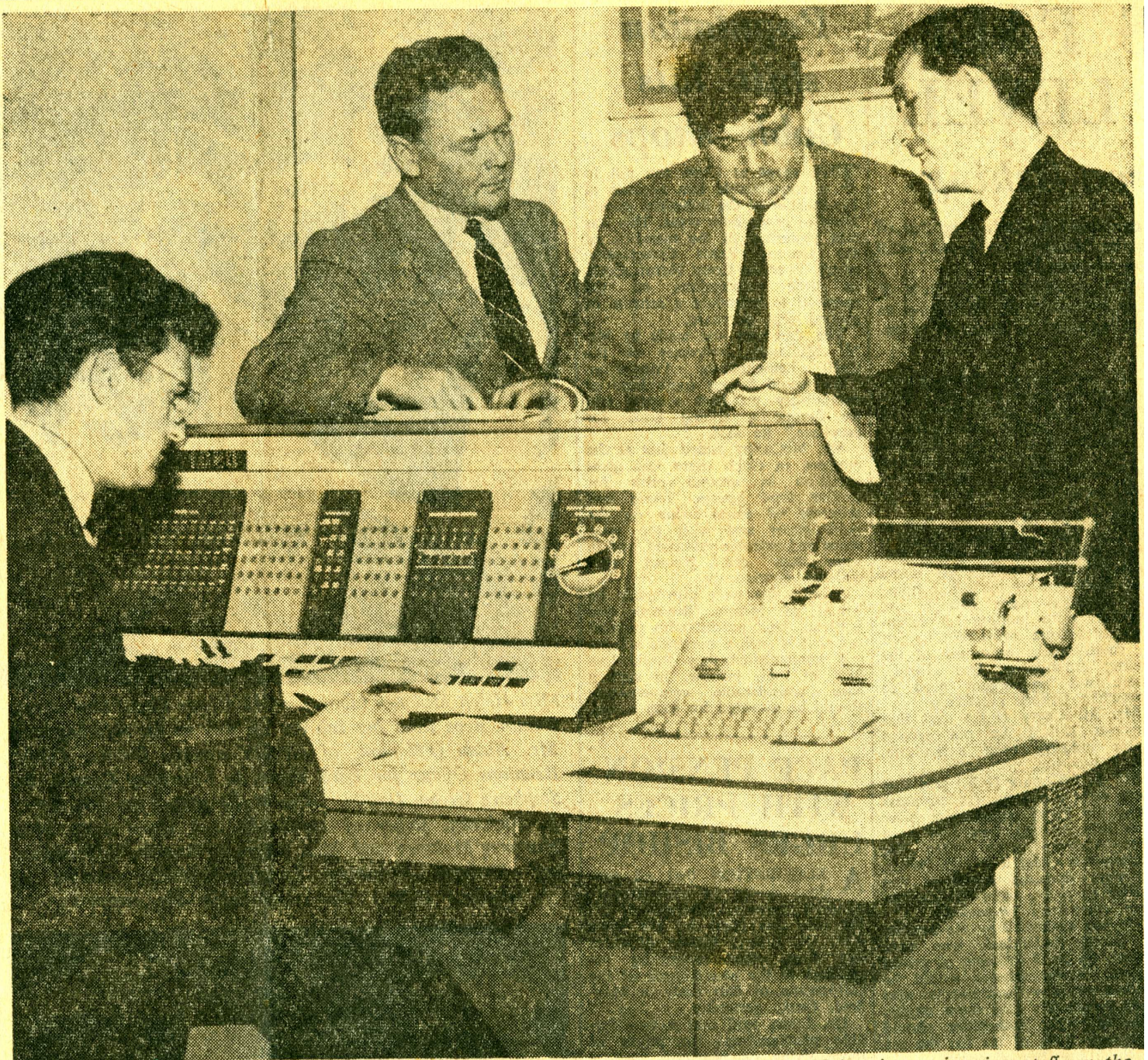
Mr. John Moriarty, J.B.M. systems engineer (seated), who is instructing the Dublin University engineering staff on the use of this new electronic computer, the 1620. Standing are (from left), Dr. P. D. McCormack, lecturer in Electrical Engineering; Dr. John Byrne, I.C.I. research engineer; and Dr. B. K. P. Scaife, lecturer in Electronic Engineering.

Figure 1: Photo from Irish Times article of 15th June 1962 on the IBM 1620, ten days after delivery,
showing John Moriarty, Percy McCormack, John Byrne and Brendan Scaife
Photograph courtesy John Moriarty

John Moriarty became the first Director of the university's computing service, the Computer Laboratory, TCD
Percy McCormack left TCD to study medicine, went to America, joined the U.S.Navy and retired eventually as a Surgeon Commander
John Byrne became the first Head of the Department of Computer Science, TCD
Brendan Scaife became a Professor (now Emeritus) of Electrical Engineering in TCD

CURRICULUM VITAE

J.G. Byrne

Date of Birth: 25th July, 1933.

Academic Qualifications

B.A.	1956	Trinity College, Dublin.
B.A.I.	1956	Trinity College, Dublin
		Alexander Prize for first place in
		Civil Engineering subjects.
D.I.C.	1958	Imperial College, London.
Ph.D.	1961	Trinity College, Dublin.
		Thesis: "Torsion of hollow beams"
M.A.	1961	Trinity College, Dublin.
F.T.C.D.	1969	Fellow of Trinity College, Dublin.

Professional Career

Jan. 1957/June 1957	Engineer with S. Willis, Consulting Engineer, Birmingham.
July 1957/Sept. 1957	Junior Engineer with Dublin Corporation.
Oct. 1957/June 1958	Student on Concrete Technology Course at Imperial College, London.
Sept. 1958/Dec. 1960	Research student.
Dec. 1960/Dec. 1973	I.C.I. Research Fellow.
Sept. 1963/Sept. 1965	Lecturer, Graduate School of Engineering Studies.)
Sept. 1965/June 1967	Lecturer in Computer Science.) all
June 1967/Sept. 1973	Senior Lecturer in Computer Science.) at
Oct. 1968/date	Head of Department of Computer Science) Trinity) College
Oct. 1973/date	Professor of Computer Science) Dublin.

Membership of Professional Societies

Member, Institution of Engineers of Ireland (Chartered Engineer)

Fellow, Irish Computer Society

Member, British Computer Society

Member, Association for Computer Machinery (U.S.A.)

Affiliate, IEEE (New York)

Figure 2: Prof. J.G.Byrne's CV c.1975
Note "Lecturer in Computer Science" from Sept. 1965
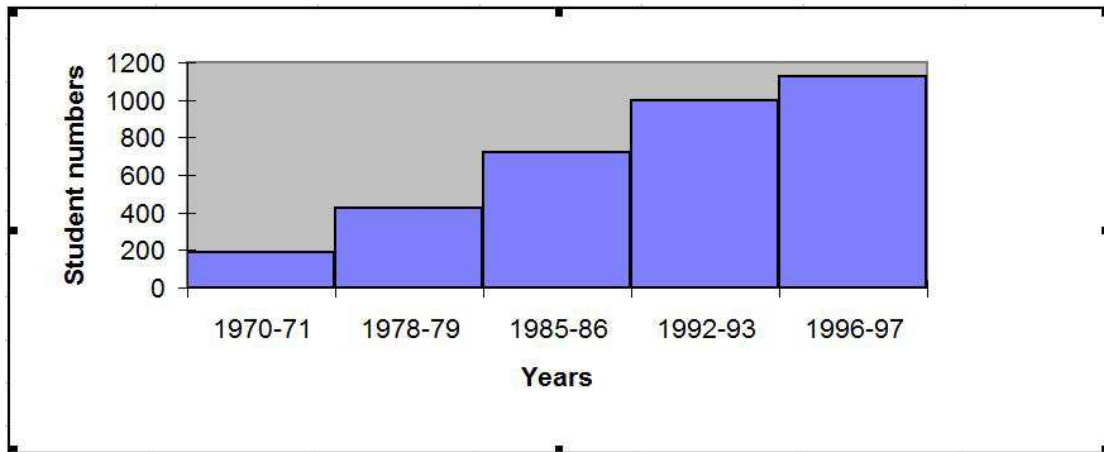
Figure 3: Growth in student numbers in the Department of Computer Science, Trinity College Dublin
A significant event occurred in each of the years shown:
The first BAI "Computer Engineering" graduations occurred in 1970
The B.A.(Mod) degree in Computer Science began in 1979
The "Computer Science, Languages and Linguistics" degree began in 1985
The "Information Systems" degree began in 1992
The campaign to bring Computer Science together on the campus north-east corner began in 1997

Figure 4: Vivian Killeen and Neville Harris with TCD's IBM 1620 in 21 Lincoln Place
Photo courtesy John Moriarty

Figure 5: Prof. John Gabriel Byrne in his office in Pearse Street
Photograph courtesy Mike Nowlan

Figure 6: Helen Smith in Department of Computer Science Reception in Pearse Street
Photograph courtesy Mike Nowlan

Figure 7: Dan McCarthy in his office in Pearse Street
Photograph courtesy Mike Nowlan

Figure 8: Mike Nowlan at the VAX 11/780 LA130 printer/terminal in Pearse Street
Photograph courtesy Mike Nowlan

Figure 9: Neville Harris in his office in Pearse Street
Neville later became Head of the Department of Computer Science
Photograph courtesy Mike Nowlan

Figure 10: Jeremy Jones supervising some of the first B.A.(Mod) Computer Science students
(class of 1982-1983) c.1981 in Pearse Street
Jeremy later became Head of the School of Computer Science and Statistics
Photograph courtesy Mike Nowlan

Figure 11: Mícheál Mac an Airchinnigh and [George Greenlee or <?> Flaherty?]
in the departmental Library in Pearse Street
Under the window are Lear Siegler ADM3A text-oriented visual display units (VDU)
To the left of the unused ADM3A is Robert Friel's A4 flat-bed pen-plotter
Michael Mac an Airchinnigh is using a Hazeltine 1500 VDU
On the right is a Diablo 1620 Hyterm daisy wheel tractor-feed typewriter/printer
(David Abrahamson was the first of many to use it to print Ph.D or M.Sc theses)
Beside the Diablo, barely visible, is an unidentified specialised printer or plotter
Device identification courtesy Bryan Alton
Photograph courtesy Mike Nowlan

Figure 12: Department of Computer Science, c.1983, on the flat roof outside the staff coffee room in Pearse Street
Photograph courtesy John Gallagher
NB: the cable passing behind Neville Harris and Dave Vernon is almost certainly
original pre-standardisation 3Mbps coaxial CSMA-CD Ethernet cable

Back Row: *Neville Harris, Dave Vernon, Unknown, Ann Gallagher, Unknown, French visitor,*
                Alexis Donnelly, Myles Cagney,, John Gallagher, John Gleeson, Brian Coghlan
Middle Row: *Colin Manning, Tom Meleady, Eoin O'Camhaill, Rachel Noctor, Brendan Kiernan, Helen Smith*
Front Row: *Ala Al-Zobaidie, Tom Irwin, Robert Friel (RIP)*

Figure 13: Dept.Computer Science, c.1981, looking east on flat roof outside the staff coffee room in Pearse Street
Photograph courtesy Kevin Ryan

Back Row: *Jeremy Jones, Robert Friel (RIP), Tom Meleady, Brendan Lynch*
Front Row: *Myles Cagney, Francis Neelamkavil, Rody Ryan, Colleen Kitchen, Neville Harris, Kevin Ryan, Jane Grimson, Tony Redmond, Prof. J.G.Byrne, Dan McCarthy, David Abrahamson*
Crouching: *Alexis Donnelly*

Figure 14: A meeting in Trinity of the ESPRIT "Expert System Builder" (ESB) project participants, c.1984
ESB was possibly the first of the Department's many European-funded projects
Photograph courtesy John Gallagher
(taken on the steps of the Dining Hall)

Left: *International partners from Italy, UK and Denmark,*
         Prof. J.G.Byrne, Mike Brady, Unknown
Right: *Gerry O'Brien, Michael Mac An Airchinnigh, Unknown, Jane Grimson,*
         Unknown, Ala Al-Zobadie, John Gleeson

Figure 15: Niall Doherty, one of the first B.A.(Mod) students with a Rockwell AIM in Pearse Street labs
Photograph courtesy Mike Nowlan

Figure 16: Some of the first B.A.(Mod) Computer Science students, class of 1982-1983
Martine Murphy, Marie Buckley, Amanda Lee, Laura Dowling, Myles Cagney
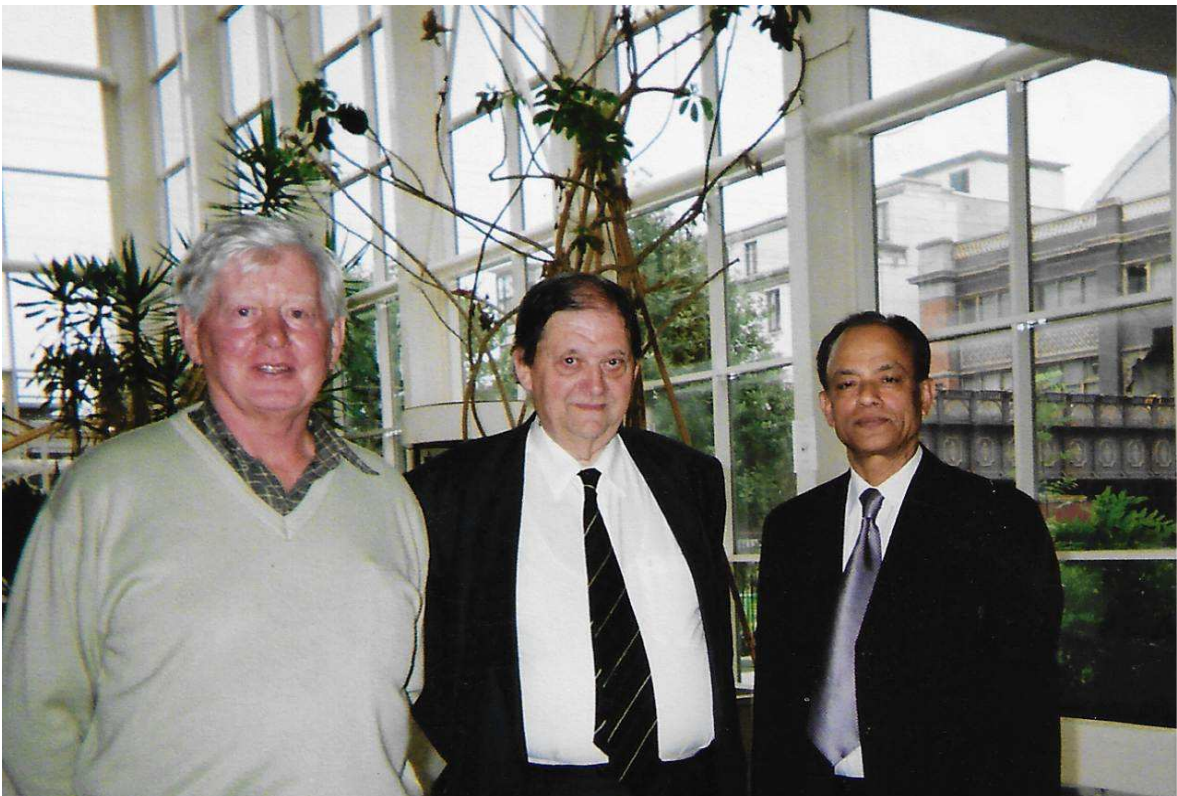*Photograph courtesy Mike Nowlan*

Figure 17: Chris Horn, Ahmed Patel, Prof. J.G.Byrne and Ciaran McDonnell
Ph.D Commencements, Trinity College Dublin, 1983
Photograph courtesy Bryan Alton

Figure 18: Mary Murray in her office after the move to the O'Reilly Institute
Photograph courtesy Mary Murray

Figure 19: Sean Baker and Prof. J.G.Byrne in the O'Reilly Institute
Behind them are Dudley Dolan and Tony Redmond
Photograph courtesy Mary Murray

Figure 20: Neville Harris, Prof. J.G.Byrne and Francis Neelamkavil in the foyer of the O'Reilly Institute
Photograph courtesy Mary Murray

Figure 21: Tim O'Donoghue and Alan Mullally
Tim O'Donoghue was an external lecturer highly involved in the Systems Analysis Diploma course
Photograph courtesy Ann Gallagher

Figure 22: left: John Keogh and Tom Irwin, right: Hugh Gibbons
Photographs courtesy Ann Gallagher

Figure 23: left: Ann Gallagher, right: Mary Sharp
Photographs courtesy Ann Gallagher
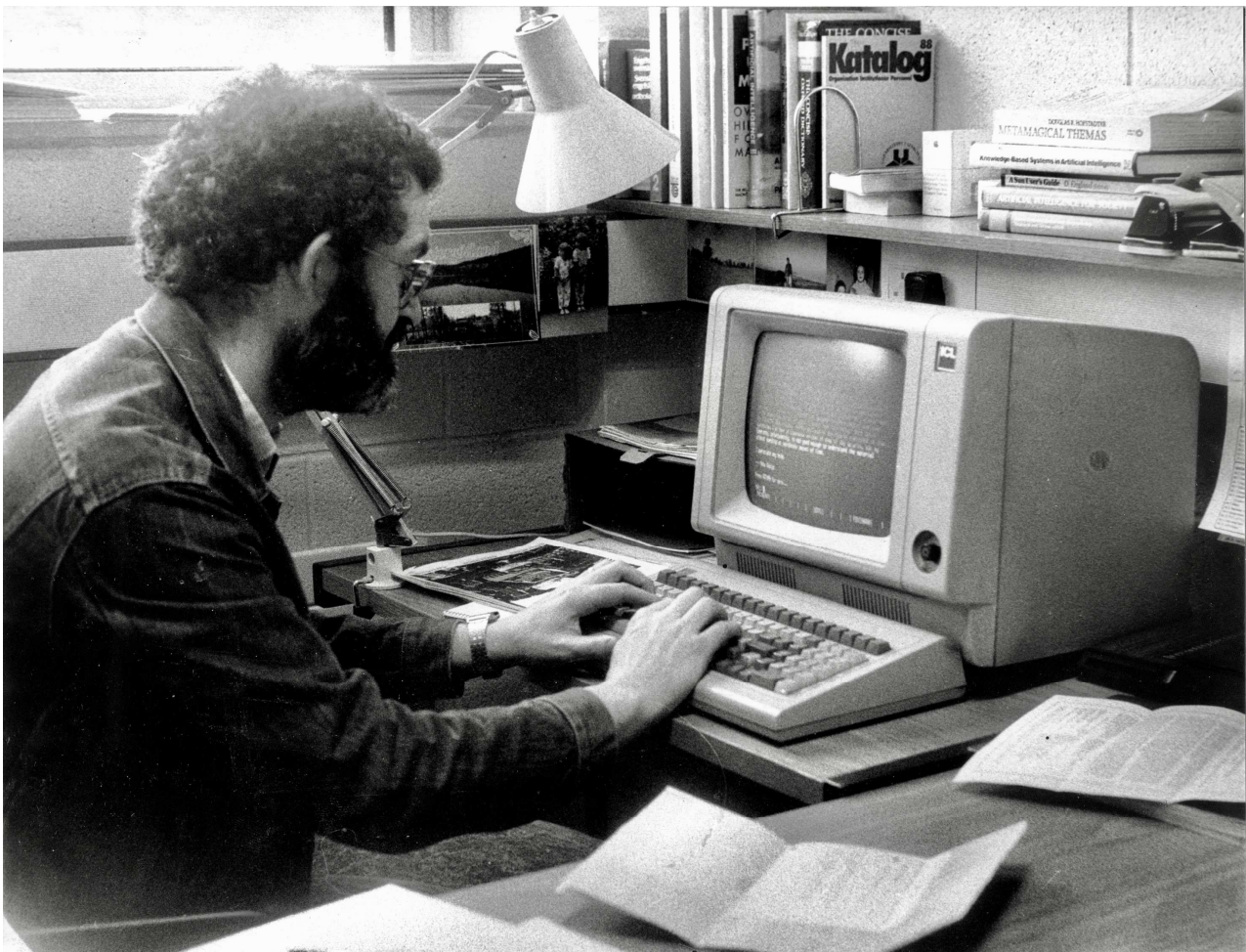
Figure 24: Kevin Ryan at an ICL video display unit (VDU) terminal in the O'Reilly Institute
Photograph courtesy Kevin Ryan

Figure 25: Kevin Ryan in a 'Computers in Society' class, Tom Meleady at left
Photograph courtesy Kevin Ryan
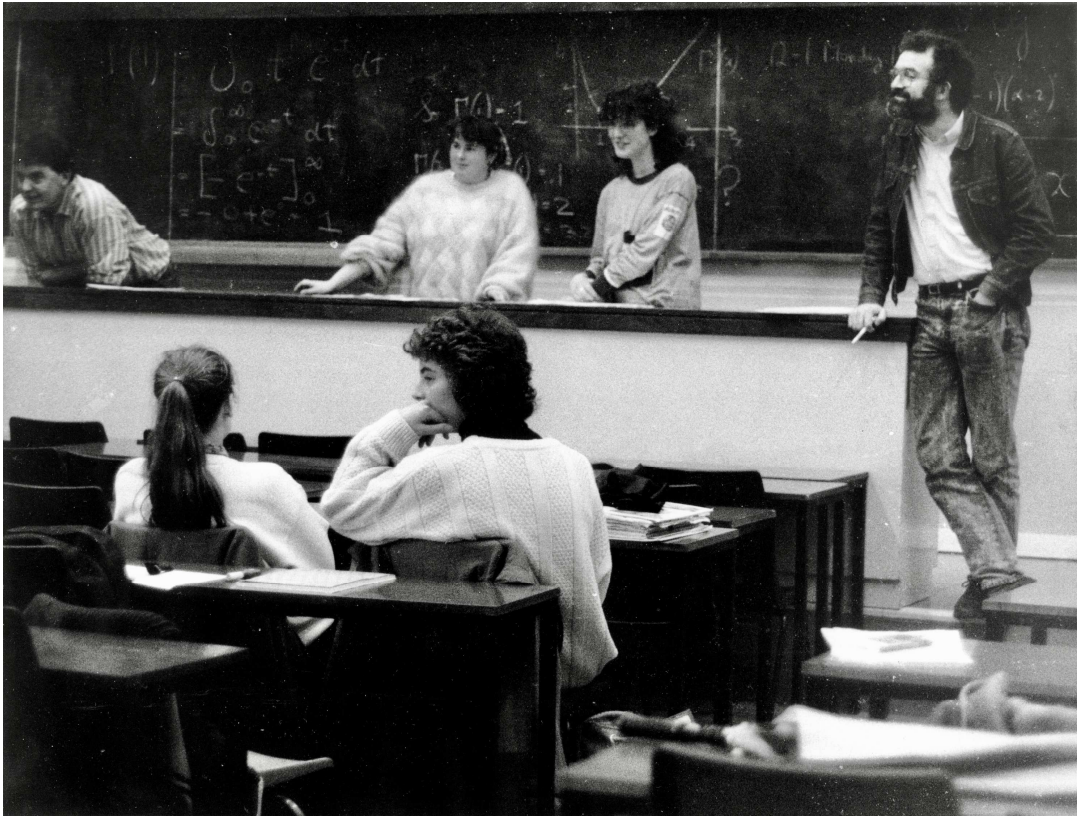
Figure 26: Andrew Butterfield, Brian Matthews, Seamus Guiry, Brendan Kiernan, Stephen Brooks, Alexis Donnelly
Photograph courtesy Seamus Guiry

Figure 70-Eng: Class Photograph, TCD Engineering School BAI Class of 1969-1970
(includes first undergraduate TCD Computer Science class)
Photograph courtesy Paul O'Kane
See the online SCSSTreasures catalog for more detail

Figure 71-Eng: Class Photograph, TCD Engineering School BAI Class of 1970-1971
Photograph courtesy Kevin Ryan
See the online SCSSTreasures catalog for more detail

Figure 73-Eng: Class Photograph, TCD Engineering School BAI Class of 1972-1973
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 75-Eng: Class Photograph, TCD Engineering School BAI Class of 1974-1975
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 76-Eng: Class Photograph, TCD Engineering School BAI Class of 1975-1976
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 77-Eng: Class Photograph, TCD Engineering School BAI Class of 1976-1977
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 78-Eng: Class Photograph, TCD Engineering School BAI Class of 1977-1978
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 79-MScCP: Graduates of the M.Sc. in Computer Practice on the occasion of their Commencements in summer 1979, with Prof. J.G.Byrne
The first four cohorts taking the Computers in Education Diploma were invited to proceed to a second year of study leading to the degree of Master in Computer Practice (an initiative of Prof. J.G.Byrne). This course was run once, starting in Autumn 1977. Photograph courtesy Elizabeth Oldham.
See history & video on computing education in Irish schools by Elizabeth Oldham [12] in the online SCSSTreasures catalog for more detail

Figure 79-Eng: Class Photograph, TCD Engineering School BAI Class of 1978-1979
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 82-Eng: Class Photograph, TCD Engineering School BAI Class of 1981-1982
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 83-Eng: Class Photograph, TCD Engineering School BAI Class of 1982-1983
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 83a-BAMod: Class Photograph, B.A.(Mod) Computer Science Class of 1982-1983
Missing: Carol Whittaker, Pat McCarroll
Photo courtesy Tom Kearney
This is the first B.A.(Mod) Computer Science class
See the online SCSSTreasures catalog for more detail

Figure 83b-BAMod: Cathy Stack, Eamonn Gahan, Carol Whittaker
Photo courtesy Carol Baker nee Whittaker

Figure 84-Eng: Class Photograph, TCD Engineering School BAI Class of 1983-1984
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 85-Eng: Class Photograph, TCD Engineering School BAI Class of 1984-1985
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 86-Eng: Class Photograph, TCD Engineering School BAI Class of 1985-1986
Photograph courtesy Engineering School, Trinity College Dublin
See the online SCSSTreasures catalog for more detail

Figure 90-Eng: Class Photograph, TCD Engineering School BAI Class of 1989-1990
Photograph courtesy Gerry Lacey
See the online SCSSTreasures catalog for more detail

Figure 90-Unknown: Unidentified Class Photograph
Photograph courtesy Jean Maypother

Figure 94-BAMod: Class Photograph, B.A.(Mod) Computer Science Class of 1993-1994
Photograph courtesy Donal Cunningham
See the online SCSSTreasures catalog for more detail

Figure 96-BAMod: Class Photograph, B.A.(Mod) Computer Science Class of 1995-1996
Photograph courtesy Jim Dowling
See the online SCSSTreasures catalog for more detail

School of Computer Science and Statistics
Trinity College Dublin, The University of Dublin
November 2019