**计算机先驱人物列表**

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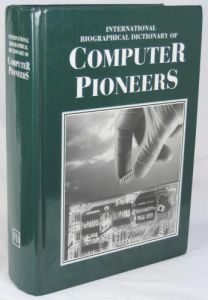
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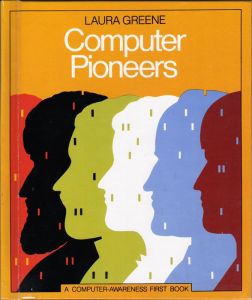
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• List of pioneers in computer science

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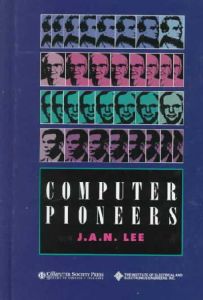
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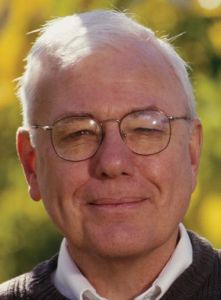
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• [Karen Sparck Jones](http://www.techcn.com.cn/index.php?doc-innerlink-Karen%20Sp%C3%A4rck%20Jones)   
• [Frances Spence](http://www.techcn.com.cn/index.php?doc-innerlink-Frances%20Spence)

• [Laurence Spitters](http://www.techcn.com.cn/index.php?doc-innerlink-Laurence%20Spitters)   
• [Richard Stallman](http://www.techcn.com.cn/index.php?doc-innerlink-Richard%20Stallman)   
• [Einar Stefferud](http://www.techcn.com.cn/index.php?doc-innerlink-Einar%20Stefferud)   
• [Robert Stein](http://www.techcn.com.cn/index.php?doc-innerlink-Robert%20Stein)   
• [George Stibitz](http://www.techcn.com.cn/index.php?doc-innerlink-George%20Stibitz)   
• [Christopher Strachey](http://www.techcn.com.cn/index.php?doc-innerlink-Christopher%20Strachey)   
• [LaFarr Stuart](http://www.techcn.com.cn/index.php?doc-innerlink-LaFarr%20Stuart)   
• [Ivan Sutherland](http://www.techcn.com.cn/index.php?doc-innerlink-Ivan%20Sutherland)

[](http://www.techcn.com.cn/uploads/200905/1242955765YmqhJlHd.jpg)**Charles P. Thacker**

T  
• [Ruth Teitelbaum](http://www.techcn.com.cn/index.php?doc-innerlink-Ruth%20Teitelbaum)   
• [Charles P. Thacker](http://www.techcn.com.cn/index.php?doc-innerlink-Charles%20P.%20Thacker)   
• [Ken Thompson](http://www.techcn.com.cn/index.php?doc-innerlink-Ken%20Thompson)   
• [Linus Torvalds](http://www.techcn.com.cn/index.php?doc-innerlink-Linus%20Torvalds)   
• [Jack Tramiel](http://www.techcn.com.cn/index.php?doc-innerlink-Jack%20Tramiel)   
• [André Truong Trong Thi](http://www.techcn.com.cn/index.php?doc-innerlink-Andr%C3%A9%20Truong%20Trong%20Thi)   
• [Alan Turing](http://www.techcn.com.cn/index.php?doc-innerlink-Alan%20Turing)  
U  
• [Keith Uncapher](http://www.techcn.com.cn/index.php?doc-innerlink-Keith%20Uncapher)

V  
• [Andries van Dam](http://www.techcn.com.cn/index.php?doc-innerlink-Andries%20van%20Dam)   
• [John van Geen](http://www.techcn.com.cn/index.php?doc-innerlink-John%20van%20Geen)   
• [Andrew Viterbi](http://www.techcn.com.cn/index.php?doc-innerlink-Andrew%20Viterbi)  
W  
• [An Wang](http://www.techcn.com.cn/index.php?doc-innerlink-An%20Wang)   
• [Frank Wanlass](http://www.techcn.com.cn/index.php?doc-innerlink-Frank%20Wanlass)   
• [Brian Warboys](http://www.techcn.com.cn/index.php?doc-innerlink-Brian%20Warboys)   
• [Stephen Warshall](http://www.techcn.com.cn/index.php?doc-innerlink-Stephen%20Warshall)  
• [Kevin Warwick](http://www.techcn.com.cn/index.php?doc-innerlink-Kevin%20Warwick)   
• [Thomas J. Watson](http://www.techcn.com.cn/index.php?doc-innerlink-Thomas%20J.%20Watson)   
• [Thomas Watson, Jr.](http://www.techcn.com.cn/index.php?doc-innerlink-Thomas%20Watson,%20Jr.)   
• [David Wheeler](http://www.techcn.com.cn/index.php?doc-innerlink-David%20Wheeler) (computer scientist)   
• [Martin Wiberg](http://www.techcn.com.cn/index.php?doc-innerlink-Martin%20Wiberg)   
• [Adriaan van Wijngaarden](http://www.techcn.com.cn/index.php?doc-innerlink-Adriaan%20van%20Wijngaarden)   
• [Maurice Wilkes](http://www.techcn.com.cn/index.php?doc-innerlink-Maurice%20Wilkes)   
• [Frederic Calland Williams](http://www.techcn.com.cn/index.php?doc-innerlink-Frederic%20Calland%20Williams)  
• [Niklaus Wirth](http://www.techcn.com.cn/index.php?doc-innerlink-Niklaus%20Wirth)   
• [Mary Lee Woods](http://www.techcn.com.cn/index.php?doc-innerlink-Mary%20Lee%20Woods)   
• [Steve Wozniak](http://www.techcn.com.cn/index.php?doc-innerlink-Steve%20Wozniak)   
• [Irma Wyman](http://www.techcn.com.cn/index.php?doc-innerlink-Irma%20Wyman)  
Y  
• [Edward Yourdon](http://www.techcn.com.cn/index.php?doc-innerlink-Edward%20Yourdon)  
Z  
• [Heinz Zemanek](http://www.techcn.com.cn/index.php?doc-innerlink-Heinz%20Zemanek)   
• [Konrad Zuse](http://www.techcn.com.cn/index.php?doc-innerlink-Konrad%20Zuse)

计算机先驱人物列表与简介（互联网实验室整理）[回目录](http://www.techcn.com.cn/index.php?doc-view-130754.html" \l "section)

[Howard Hathaway Aiken](http://www.techcn.com.cn/index.php?doc-innerlink-Howard%20Hathaway%20Aiken) (1900-1973)   
   
哈佛数学家，二战期间，在美国海军和IBM的帮助下，建造了Charles Babbage的梦幻机器Harvard-IBM MARK I，第一台可编程控制的大规模计算器，完成于1944年。   
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[Paul G.Allen](http://www.techcn.com.cn/index.php?doc-innerlink-Paul%20G.Allen) (1953- )   
   
与盖茨一起共同创办微软公司，1985年离开公司，但仍留在董事会。凭借微软股票带来的巨额财富，创建了多家计算机创新技术公司，比如Asymetrix Starware，还捐助多个公益项目，如西雅图的Jimi Hendrix博物馆。   
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[Gene M. Amdahl](http://www.techcn.com.cn/index.php?doc-innerlink-Gene%20M.%20Amdahl) (1922- )   
   
南达科他人，领导设计IBM 704和S/360系列大型机，后离开IBM，创办Amdahl公司。  
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[Marc Andreessen](http://www.techcn.com.cn/index.php?doc-innerlink-Marc%20Andreessen)(1971- )   
   
22岁那年与SGI创始人James H. Clark 共同创办Netscape通信公司。此前，他毕业于伊利诺斯大学，在那里的全国超级计算应用中心（NCSA），与一些学生一起开发了NCSA Mosaic 浏览器原型。  
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[John Vincent Atanasoff](http://www.techcn.com.cn/index.php?doc-innerlink-John%20Vincent%20Atanasoff) (1904-1995)   
   
爱荷华州立大学物理学教授，1939年他与研究生Clifford Berry一起开发基于二进制的计算机原型ABC (Atanasoff-Berry Computer)，但由于后来他去华盛顿特区的海军军火实验室（Naval Ordnance Laboratory），机器没有最终完成。  
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[Charles Babbage](http://www.techcn.com.cn/index.php?doc-innerlink-Charles%20Babbage) (1791-1871)   
   
行为古怪的英国数学家，在技术具备之间，他整整超前了1个世纪提出了现代计算机的概念。他提出的差分机（Difference Engine）构想，可以计算冗长的科学计算表格。但是，经费、人力和身体状况等局限，使得一切变成“不可能完成的任务”。随后，他又提出更加野心勃勃的分析机（Analytical Engine），可以完成范围更广的计算任务。他已经认识到计算机需要一个输入设备、内存、中央处理器和输出设备，因此他被认为是“计算之父”（Father of Computing）  
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[John W. Backus](http://www.techcn.com.cn/index.php?doc-innerlink-John%20W.%20Backus%20) (1924- )   
   
费城数学家，在IBM他领导开发小组创造了FORTRAN语言，第一个独立的编程语言。   
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[John Bardeen](http://www.techcn.com.cn/index.php?doc-innerlink-John%20Bardeen) (1908-1991)   
   
出生于威斯康星州，晶体管共同发明人。在AT&T贝尔实验室与Walter Brattain和William Shockley一起，三个共同发明晶体管，也共同分享1956年的诺贝尔奖。后来，他又参与低温超导研究，成为该领域中唯一一位两次获得诺贝尔奖的科学家。   
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[Jean Bartik](http://www.techcn.com.cn/index.php?doc-innerlink-Jean%20Bartik) (1935- )   
出生于密苏里州，1945年作为数学神童加入Pennsylvania大学，与其他人一起为战时的重型火炮计算弹道轨迹。在军方启动ENIAC后，Bartik开始与Adele Goldstine一起，把它重新翻修成一台可存储计算机。虽然，他们与大数学家John von Neumann一同工作，但主要是Bartik编写出程序代码。  
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[Gordon Bell](http://www.techcn.com.cn/index.php?doc-innerlink-Gordon%20Bell) (1934- )   
   
出生于密苏里州，在小型机和多处理器设计方面颇具创新。开发总线结构和内存地址通用寄存器等都是其中的创新，他设计了第一台小型机和第一台分时计算机。与妻子一起，创办了波士顿计算机博物馆。   
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[Maston Beard](http://www.techcn.com.cn/index.php?doc-innerlink-Maston%20Beard%20)  
   
Graduated in 1939 from Sydney University and was involved in radio transmitter design and radar research until joining the CSIRAC project in 1947 (the first stored-memory electronic computer in Australia). When the computer was moved to the University of Melbourne in 1955, he continued work on digital techniques and the application of computers in connection with navigational aids for civil aviation, the processing of data from radio telescopes, the control of Narrabri radio heliograph, and the control of the Siding Spring 3.9-meter telescope. He retired from CSIRO in 1978 while assistant chief at the Division of Computing Research. Following his retirement he served as a Senior Research Fellow in the CSIRO Division of Radiophysics. In 1980 he was awarded an Order of Australia Member (AM), in recognition of services to Radiophysics.   
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[Tim Berners-Lee](http://www.techcn.com.cn/index.php?doc-innerlink-Tim%20Berners-Lee)   
   
万维网之父，毕业于英国牛津大学。他创建了超文本标识语言(HTML)，以及用来描述信息资源的“统一资源定位符”(URL)。   
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[Clifford Edward Berry](http://www.techcn.com.cn/index.php?doc-innerlink-Clifford%20Edward%20Berry) (1918-1963)   
   
出生于纽约，毕业于爱荷华州立大学。与John Atanasoff一起设计第一台使用数字电子技术的计算机，但是从来没有完成。虽然，人们公认是Atanasoff提出了这台机器的概念，但是在实际设计和建造中，Berry做了与Atanasoff相当的工作。  
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[George Boole](http://www.techcn.com.cn/index.php?doc-innerlink-George%20Boole) (1815 - 1864)   
   
自学成才的英国数学家，他创建了逻辑学，也就是现在大家熟悉的使用0和1的布尔代数（Boolean algebra），是电子计算机科学的基础。   
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[Andrew Donald Booth](http://www.techcn.com.cn/index.php?doc-innerlink-Andrew%20Donald%20Booth) (1918- )   
英国工程师和物理学家，是最早提出并支持在计算机中使用磁鼓存储器的人之一。1952年，他和父亲一起出售性能相当可靠的磁鼓，他还尝试用氧化物覆盖纸制作软盘。   
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[David Bradley](http://www.techcn.com.cn/index.php?doc-innerlink-David%20Bradley)   
   
1980年，他设计的IBM PC的许多特性依然活在今天，是他发明了功能键<CTRL><ALT><DELETE>。  
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[Paul Brainerd](http://www.techcn.com.cn/index.php?doc-innerlink-Paul%20Brainerd) (1947- )   
   
前明尼苏达州新闻记者，他创办了桌面出版先驱Aldus公司，他推出了具有革命性的软件Aldus PageMaker。  
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[Walter Brattain](http://www.techcn.com.cn/index.php?doc-innerlink-Walter%20Brattain) (1902-1987)   
   
在中国出生的美国人，晶体管的共同发明人，1956年与两位两位伙伴John Bardeen和William Shockley共同分享诺贝尔物理奖。   
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[Dan Bricklin](http://www.techcn.com.cn/index.php?doc-innerlink-Dan%20Bricklin) (1951- )   
   
构思和设计了第一个电子表格软件VISICALC，该软件发布于1979年，是PC应用的第一个杀手级软件，具体编写代码的是Bob Frankston。  
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[William S. Burroughs](http://www.techcn.com.cn/index.php?doc-innerlink-William%20S.%20Burroughs) (1857-1898)   
   
出生于纽约，发明家，在银行工作期间，被人工计算的不准确所启发，发明了加数器（printing adding machine），并于1888年获得了专利。   
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[Steve Case](http://www.techcn.com.cn/index.php?doc-innerlink-Steve%20Case) (1958 - )  
   
At 25 years of age, Case was heading the attempt to keep Control Video afloat. Two years later the company began to provide online services for Commodore computer users and changed its name to Quantum Computer Services. Within a couple of years, Case had crafted online deals with Apple Computer and Tandy. Apple eventually bailed out to launch its own online service, so Quantum revamped and consolidated. Case decided the company needed a new image, so he held a contest for a new name. He picked himself as the winner and America Online was born, although it's first name was Online America. In 1992, with just 120 employees, AOL went public, raised $66 million and Case was suddenly worth nearly $2 million on paper. Shortly after that, he was made CEO.   
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[Vinton G. Cerf](http://www.techcn.com.cn/index.php?doc-innerlink-Vinton%20G.%20Cerf) (1943- )   
   
出生于康涅狄格州的小镇纽黑文（New Haven），因为共同开发TCP/IP(传输控制协议/互联网络协议)，而被成为互联网之父。   
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[Michael Dr. Cowpland](http://www.techcn.com.cn/index.php?doc-innerlink-Michael%20Dr.%20Cowpland) (1943- )  
   
出生于英国Sussex的Bexhill  
 Bell Northern Research工程设计和项目主管 (1964-68)   
国际公司电路设计主管(1969-73)   
 Mitel公司共同创始人兼总裁(1973-84)   
 Corel公司创始人、CEO兼总裁(1985-2000)   
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[Seymour Cray](http://www.techcn.com.cn/index.php?doc-innerlink-Seymour%20Cray) (1925-1996)   
   
出生于威斯康星州，发明家，超级计算机之父。建造了SUPER计算机，并通过他的发明使计算机不断加速，他和William Norris一起创办了控制数据公司，后来又陆续创办过7家公司，跟他设计的超级计算机一样繁多。   
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[Ward Christensen](http://www.techcn.com.cn/index.php?doc-innerlink-Ward%20Christensen)   
He and a friend, Randy Suess, created the first BBS February 16, 1978, in Chicago.   
 It wasn't called a BBS. The name was CBBS, and for a time prople wondered what it stood for. Christensen's Bulletin Board System? Chicago Bulletin Board System? Ward says it meant Computerized Bulletin Board System and all the early Boards were termed a CBBS until the C was eventually dropped.   
The first BBS ran on an S-100 computer with 64k RAM and two single-sided 8" diskettes each holding 250k.   
Randy put the hardware together; Ward wrote the BBS software in 8080 assembler and served as the system operator, a term quickly shortened to sysop.   
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[John Presper Eckert](http://www.techcn.com.cn/index.php?doc-innerlink-John%20Presper%20Eckert) (1919-1995)   
   
出生于宾夕法尼亚州，与John W. Mauchly一起，领导50人的团队，创建了世界上第一台通用电子计算机，也就是ENIAC (Electronic Numerical Integrator And Calculator)。  
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[Douglas C. Engelbart](http://www.techcn.com.cn/index.php?doc-innerlink-Douglas%20C.%20Engelbart) (1925- )   
   
出生于俄勒冈州，1963年发明鼠标，并申请了专利。他总共拥有20项左右专利，大多是现在微机的基本功能。   
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[Federico Faggin](http://www.techcn.com.cn/index.php?doc-innerlink-Federico%20Faggin)

[](http://www.techcn.com.cn/uploads/200905/1243078812mmgSqprY.jpg)**Federico Faggin**

英特尔工程师，创建了通用可编程逻辑芯片4004，和他一起工作的有Hoff、Shima和Mazor。   
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[Lee Felsenstein](http://www.techcn.com.cn/index.php?doc-innerlink-Lee%20Felsenstein)   
发明家、电脑设计天才，他的杰作有：视频电路板（Video Circuit Board），Pennywhistle调制解调器，帮助Adam Osborne完成的Osborne 1，以及Expander计算机和Sol计算机。  
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[Bill Fernandez](http://www.techcn.com.cn/index.php?doc-innerlink-Bill%20Fernandez)   
1968年他将中学好友乔布斯（Steve Jobs）介绍给他的邻居沃兹（Steve Wozniak），间接地促成了一场电脑革命。   
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[David Filo](http://www.techcn.com.cn/index.php?doc-innerlink-David%20Filo) (left)  
   
1994年还在斯坦福攻读博士学位的David Filo，与同学杨致远创建了互联网目录指南Yahoo!，帮助学校的同学们定位互联网上的优秀站点，后来成为全球最大的IT门户。  
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[Thomas H.Flowers](http://www.techcn.com.cn/index.php?doc-innerlink-Thomas%20H.Flowers) (1905- )   
工程师，他领导的小组建造了一台更加快速、全电子的数字计算机COLOSSUS。以后复制了多台，在二战中帮助英国破解密码。   
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[Jay Wright Forrester](http://www.techcn.com.cn/index.php?doc-innerlink-Jay%20Wright%20Forrester) (1918- )   
   
出生于内布拉斯加州，麻省理工教授。Nebraska native and MIT professor who made an important innovation in the way magnetic core memory was arranged and led the team that created Whirlwind, which was made to control flight simulators but ended up being used for any problems requiring real time control.   
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[William Henry Gates](http://www.techcn.com.cn/index.php?doc-innerlink-William%20Henry%20III%20Gates) (1955 -)   
   
出生于西雅图，哈佛辍学生，与Paul Allen创办微软公司，当今世界首富。  
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[Francois Gernelle](http://www.techcn.com.cn/index.php?doc-innerlink-Francois%20Gernelle) (1945 - )   
   
In 1972, he joins Truong who just started R2E, and during a meeting with the people responsible for l'Inra “Institut national de recherche agronomique” who are looking for a cheap way to build a system to calculate the soil evapotranspiration, François Gernelle proposed to build a calculator for half the price.   
He created the first micro-computer in the process. The Micral.   
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[Charles M. Geschke](http://www.techcn.com.cn/index.php?doc-innerlink-Charles%20M.%20Geschke)   
   
1982年，与John Warnock一起创办了Adobe系统公司，开拓了桌面出版领域。   
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[Adele Goldstine](http://www.techcn.com.cn/index.php?doc-innerlink-Adele%20Goldstine)   
Mathematician who wrote the manual for the ENIAC and also was involved with its programming.   
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[Herman Heine Goldstine](http://www.techcn.com.cn/index.php?doc-innerlink-Herman%20Heine%20Goldstine) (1913- )   
   
Mathematician (Husband of Adele Goldstine) who helped design the ENIAC, at the University of Pennsylvania. He also worked with John von Newman on scientific papers at the Institute for Advanced Study (IAS) and went on to write one of the most complete computer history books.   
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[William R. Hewlett](http://www.techcn.com.cn/index.php?doc-innerlink-William%20R.%20Hewlett) (1913- )   
   
出生于密歇根Michigan，1939年与David Packard一起共同创办了惠普公司。   
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[Marcian Edward Hoff](http://www.techcn.com.cn/index.php?doc-innerlink-Marcian%20Edward%20Jr.%20Hoff) (Ted) (1937- )

[](http://www.techcn.com.cn/uploads/200905/1243078767tGty7skF.jpg)**Marcian Edward Hoff**

英特尔工程师，他发明了通用可编程逻辑芯片4004，也就是第一个所谓的微处理器，在发明过程中，他得到了Federico Faggin、Shima和Mazor的大力帮助。  
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[Betty Holberton](http://www.techcn.com.cn/index.php?doc-innerlink-Betty%20Holberton) (1927- )   
One of the team of young women at the University of Pennsylvania who, in 1945 calculated trajectories to help war time artillery gunners aim their weapons. When the ENIAC was invented, Holberton and five other women worked on it, becoming the world's first programmers.   
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[Herman Hollerith](http://www.techcn.com.cn/index.php?doc-innerlink-Herman%20Hollerith) (1860-1929)   
   
出生于纽约，工程师。他开发了使用穿孔卡进行数据制表，他的机器并为美国人口统计局的1890年人口统计提供重要支持。   
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[Ray Holt](http://www.techcn.com.cn/index.php?doc-innerlink-Ray%20Holt) (1944 -)  
Nickname "Jolt"  
Named by business partner who is spanish and Jolt is Spanish for Holt.

In 1971, Mr. Ray Holt wrote a design paper on the MOS-LSI chip set design the   
World's First Microprocessor Chip Set Designed and Developed 1968-1970.   
Co-designing the AMI 7200 and AMI 7300 in 1972-73, both general purpose microprocessors used in specialized products, as well as other special purpose microprocessors used in high-end calculators. In 1974, he co-founded Microcomputer Associates, Inc., and designed the JOLT and Super JOLT kit series.Other early accomplishments include the first microprocessor pinball game (1974), co-publisher of the first microcomputer industry publication, The Microcomputer Digest (1974), co-author of seven microprocessor design papers in the 70s, co-curriculum designer instructor for the first Intel microcomputer training courses (1973), beta tester for the Commodore PET BASIC language, and participation in the development of the prototype of the TRS-80 Model 1.   
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[Grace Brewster Murray Hopper](http://www.techcn.com.cn/index.php?doc-innerlink-Grace%20Brewster%20Murray%20Hopper) (1906-1992)   
   
New York born mathematician who has been called the first lady of software and the first mother teacher of all computer programmers. She invented the first programming languages in the 1950's, for the MARK I and UNIVAC I, and also invented the first compilers. She led the creation of COBOL which is the Common Business Oriented Language along with Charles Phillips. She was the first woman to get a doctorate in math from YALE, served as a Rear Admiral in the U.S. Naval Reserves.   
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[Joseph-Marie Jacquard](http://www.techcn.com.cn/index.php?doc-innerlink-Joseph-Marie%20Jacquard) (1752-1834)   
French weaver who built a fully automated loom programmed by punched cards. (The looms are still in use).   
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[Steven Paul Jobs](http://www.techcn.com.cn/index.php?doc-innerlink-Steven%20Paul%20Jobs) (1955- )   
   
加州大学辍学生，与Steve Wozniak一起共同创办苹果公司（Apple）。创业时就在他父母的车库里制造出第一台苹果电脑。后来，离开苹果创办了NeXT Computer.   
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[Reynold B. Johnson](http://www.techcn.com.cn/index.php?doc-innerlink-Reynold%20B.%20Johnson) (1906-1998)   
   
Father of hard drives   
A pioneer in the development of magnetic disk technology and computerized educational systems. He led the development and production of the first random access magnetic disk storage unit and the multiple head actuator.   
He is the founding manager of the IBM Research Laboratory and the IBM Advanced Systems Development Division, San Jose and Los Gatos California Laboratories. His effort helped establish San Jose and the Silicon Valley region as the center of the disk drive industry of the world. He holds more than 90 patents in the areas of educational technologies, code translations, communications technology, and magnetic storage systems.   
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[Philippe Kahn](http://www.techcn.com.cn/index.php?doc-innerlink-Philippe%20Kahn)   
   
Kahn was born in Paris to a French mother and German father. After completing a mathematics degree in the 1970s, he moved to Switzerland to work on the PASCAL programming language. He then took the opportunity to program the Micral, a French microcomputer that beat the MITS Altair by more than a year.   
In 1982 Kahn moved to the United States with $2,000 and a business plan.   
The following year, he rented a space over a garage and founded Borland International. Starting with Turbo-Pascal, the self-styled "barbarian of the software industry" built the third largest software company in the world.   
Borland's great times didn't last. Kahn's brash style alienated many people, including Bill Gates, who headed archrival, Microsoft. Kahn thought he could beat Microsoft, but a series of acquisitions and poor market decisions hurt Borland's prospects.   
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[Mitchell Kapor](http://www.techcn.com.cn/index.php?doc-innerlink-Mitchell%20Kapor) (1950- )   
   
出生于纽约，软件设计师，与Jonathan Sachs一起创建了非常成功的电子表格软件Lotus 1-2-3，1982年在麻省堪布里奇创建了Lotus公司。  
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[Andy Kay](http://www.techcn.com.cn/index.php?doc-innerlink-Andy%20Kay)   
Andy Kay (MIT '40), who as CEO at Non Linear Systems, invented and produced the digital voltmeter. Credited by Electronics Design magazine together with Dr. William Shockley, co-inventor of transistor, for "leading the electronics industry into the digital revolution."  Another of Andy Kay's creations, KAYPRO, a local company that captured the attention of the personal computer world. KAYPRO, in 1983, was rated the 5th largest personal computer manufacturer in the world.   
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[Alan C. Kay](http://www.techcn.com.cn/index.php?doc-innerlink-Alan%20C.%20Kay)   
   
Mathematician who conceived the basic concepts of high level, object oriented programming and subsequently designing Small-talk, the first completely object oriented language, while working at Xerox Palo Alto Research Center.   
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[John Kemeny](http://www.techcn.com.cn/index.php?doc-innerlink-John%20Kemeny) (1926-1992)   
   
Hungarian native and Dartmouth mathematician who co-developed BASIC in 1964, along with Thomas Kurtz. Kemeny was physicist Albert Einstein's research assistant.   
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[Jack St. Clair Kilby](http://www.techcn.com.cn/index.php?doc-innerlink-Jack%20St.%20Clair%20Kilby) (1923- )   
   
Engineer who grew up in Kansas and who independently invented the integrated circuit at Texas Instruments in 1945, at the same time as Robert Noyce at Fairchild Semiconductor. Along with Jerry D. Merryman and James Van Tassel, Kilby helped invent the first electronic handheld calculator by adapting the integrated circuit.   
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[Augusta Ada King](http://www.techcn.com.cn/index.php?doc-innerlink-Augusta%20Ada%20King) (Lady Lovelace) (1815-1852)   
   
She was best known for translating from French to English a report on a lecture Babbage gave, she added her own lengthy notes to the text, and has been credited with developing the concepts of "loop" and "subroutine". Babbage said that she explained the machine much better than he did and seemed to understand it better.   
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[Gary Kildall](http://www.techcn.com.cn/index.php?doc-innerlink-Gary%20Kildall)   
   
Gary Kildall为英特尔微处理器编写了第一个高级编程语言PL/M，同时用PL/M编写了简单的操作系统，叫做CP/M (Control Program/Monitor)。  
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[Donald Ervin Knuth](http://www.techcn.com.cn/index.php?doc-innerlink-Donald%20Ervin%20Knuth) (1938- )   
   
出生于密尔沃基[美国威斯康星州东南部港市]，程序员、作家、音乐家和斯坦福教授。出版了3卷本（计划中为7卷）著作“编程的艺术”（The Art of Programming），总结了计算机科学的基础内容，成为一部经典。同时他还开发了科学排字语言Tex，和一个字母表设计系统 Metafont。  
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[Thomas Kurtz](http://www.techcn.com.cn/index.php?doc-innerlink-Thomas%20Kurtz) (1928- )   
   
出生于伊利诺斯州，1964年与John Kemeny一起共同开发了BASIC语言。  
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[Clair D. Lake](http://www.techcn.com.cn/index.php?doc-innerlink-Clair%20D.%20Lake) (1888-1958)   
IBM engineer credited by Howard Aiken as one of the co-inventors of the Harvard-IBM MARK I finished in 1944.   
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Gottfried Wilhelm Leibniz (1646-1716)   
German who invented the first machine that could easily add, subtract, multiply and divide. He was also an advocate of the binary system.   
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[J.C.R. Licklider](http://www.techcn.com.cn/index.php?doc-innerlink-J.C.R.%20Licklider) (1915-1990)   
He headed the Information Processing Technology Office at the U.S. Advance Research Projects Agency in the 1960's. While at his post, he established funding priorities for computer science research, which eventually led to the development of the Internet and the networking of computers.   
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[A.C. "Mike" Markkula](http://www.techcn.com.cn/index.php?doc-innerlink-A.C.%20%22Mike%22%20Markkula)   
   
Former Intel executive who invested in Apple early on, essentially becoming a third partner to Steve Wozniak and Steve Jobs.   
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[John William Mauchly](http://www.techcn.com.cn/index.php?doc-innerlink-John%20William%20Mauchly) (1907-1980)   
   
Ohio born physicist who worked with J. Presper Eckert and a 50 member team to create the first electronic large scale, general purpose calculator, known as the ENIAC.   
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[John McCarthy](http://www.techcn.com.cn/index.php?doc-innerlink-John%20McCarthy) (1927- )   
Boston born mathematician who is considered to be one of the fathers of artificial intelligence for coining the term and for his work in helping computers reason more like human. He also created the programming language LSP in 1958.   
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[Robert Metcalfe](http://www.techcn.com.cn/index.php?doc-innerlink-Robert%20Metcalfe) (1946- )   
   
New York native who led the creation of Ethernet, which linked the mini computers found at the Xerox Palo Alto Research Centre in 1973.   
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[Jay Miner](http://www.techcn.com.cn/index.php?doc-innerlink-Jay%20Miner)   
   
Jay Miner, was responsible for the development of the "Amiga", along with RJ Mical, Dave Morse and Carl Sassenrath.   
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[Gordon Moore](http://www.techcn.com.cn/index.php?doc-innerlink-Gordon%20Moore) (1929- )   
   
California born who helped Robert Noyce develop the semi-conductor chip at Fairchild Semi-conductor in 1958. At the same time that Jack Kilby was inventing one at Texas Instruments. Later Noyce and Moore co-founded Intel Corporation. In 1965 he predicted that the capacity of a computer chip would double every year. (Moore's law).   
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[John Napier](http://www.techcn.com.cn/index.php?doc-innerlink-John%20Napier) (1550-1617)   
Scottish theologian and mathematician who discovered logarithms at the same time as the Swedish mathematician Jobst Burgi.   
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[Ted Nelson](http://www.techcn.com.cn/index.php?doc-innerlink-Ted%20Nelson) (1937- )   
1956年，发明术语“超文本”（hypertext）。同时启动Xanadu项目， which would put the world's literary collection online and deal with copyright and accounting problems.   
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[William Norris](http://www.techcn.com.cn/index.php?doc-innerlink-William%20Norris) (1911- )   
   
内布拉斯加州工程师，创办控制数据公司（Control Data）。他给超级计算机天才Seymour Cray以充分的自由，开发超级计算机产品线，就是著名的6600。  
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[Robert N. Noyce](http://www.techcn.com.cn/index.php?doc-innerlink-Robert%20N.%20Noyce) (1927-1990)   
   
爱荷华州(美国中西部的一州) 工程师，1958年，在仙童半导体公司发明集成电路，同期Jack Kilby也在德州仪器（TI）完成同样的发明。1968年，与Moore一起创办英特尔。  
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[Bernard Oliver](http://www.techcn.com.cn/index.php?doc-innerlink-Bernard%20Oliver) (1916-1995)   
   
50年代初期创办惠普实验室（Hewlett-Packard Laboratories），领导研究公司30年左右。   
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[Kenneth Harry Olsen](http://www.techcn.com.cn/index.php?doc-innerlink-Kenneth%20Harry%20Olsen) (1926- )   
   
出生于康涅狄格(位于美国西部)，作为电气工程师建造了一台计算机测试磁芯存储器，帮助建造了Whirlwind，后来与Harlan Anderson共同创办DEC。.   
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[Adam Osborne](http://www.techcn.com.cn/index.php?doc-innerlink-Adam%20Osborne) (1939- )   
1981年推出第一台商业上大获成功的便携式电脑Osborne 1。  
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[David Packard](http://www.techcn.com.cn/index.php?doc-innerlink-David%20Packard) (1912-1996)   
   
出生于美国科罗拉多州，和William Hewlett一起创办了惠普公司（Hewlett-Packard）。. They set up shop in a one car garage in Palo Alto, Calif., and Silicon Valley was born. They got their first of several patents when they created a resistor-capacitance audio oscillator, which Disney purchased to make the sound track for the film "Fantasia".   
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[Blaise Pascal](http://www.techcn.com.cn/index.php?doc-innerlink-Blaise%20Pascal) (1623-1662)   
French mathematician who at the age of 19 invented a machine (pascaline) that could add and subtract with the turn of wheels and also carry between digits. Later in life, Pascal became religious and philosophical and abandoned math and science.   
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[Tim Paterson](http://www.techcn.com.cn/index.php?doc-innerlink-Tim%20Paterson)   
   
Creator of QDOS (Quick and Dirty Operating System) for use with Seattle Computer Products 8086-based computer. In 1980 Microsoft's Paul Allen contacts Seattle Computer Products Tim Paterson, asking for the rights to sell SCP's DOS to an unnamed client (IBM). Microsoft pays US$50,000 for the right.   
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[Chuck Peddle](http://www.techcn.com.cn/index.php?doc-innerlink-Chuck%20Peddle)   
   
Developed the 6502 and one of the first personal computers the Commodore PET(Personal Electronic Transactor).   
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[Trevor Pearcey](http://www.techcn.com.cn/index.php?doc-innerlink-Trevor%20Pearcey)   
   
Graduated in 1940 from Imperial College, London with First Class honours in Physics and Mathematics. He came to Australia in late 1945 to work at the Radiophysics Division of CSIR. After working on radar systems, he began his career in computing by initiating the CSIRAC project in 1947 (the first stored-memory electronic computer in Australia). This project was followd by studies of programming languages in the United Kingdom and of computer networks when he returned to Australia in 1959. After a period as a consultant with the Control Data Corporation on the STAR 100 project, he retired from the Caulfield Institute of Technology (now Monash University) in the late 1980's. Trevor Pearcey died on Tuesday, 27 January 1998.   
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[Jef Raskin](http://www.techcn.com.cn/index.php?doc-innerlink-Jef%20%20Raskin)   
(Mac creator)   
1967年，在宾州大学，他写出了关于图形用户界面（GUI）的博士论文。在论文中，他第一次创造了“QuickDraw”这个概念，最后这个概念在17年后变成了苹果Mac的图形程序。  
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[Dennis M. Ritchie](http://www.techcn.com.cn/index.php?doc-innerlink-Dennis%20M.%20Ritchie) (1941- )   
出生于纽约，计算机科学家，与Ken Thompson一道于1973开发出著名操作系统UNIX，同时，他还开发了C编程语言。   
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[H. Edward Roberts](http://www.techcn.com.cn/index.php?doc-innerlink-H.%20Edward%20Roberts)   
   
美国空军军官，与三位朋友一起，创建了MITS（Micro Instrumentation and Telemetry Systems），1971年开始生产大规模集成电路计算机套件，很快推出第一台在商业上获得成功的个人电脑Altair，开发出一个巨大的市场，如今Roberts在一个小镇当医生。  
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[Larry Roberts](http://www.techcn.com.cn/index.php?doc-innerlink-Larry%20Roberts) (1927- )   
被人认为是互联网前身——阿帕网（ARPA-Net）之父   
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[Jean E.Sammet](http://www.techcn.com.cn/index.php?doc-innerlink-Jean%20E.Sammet) (1928- )   
   
New York born leading expert on the history of programming languages. She developed FORMAC, the first widely used language for manipulating symbolic mathematical expressions, while at IBM. She was the first female president of the Association for Computing Machinery (ACM).   
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[Georg Scheutz](http://www.techcn.com.cn/index.php?doc-innerlink-Georg%20Scheutz) (1785-1873)   
and [Edvard Raphael](http://www.techcn.com.cn/index.php?doc-innerlink-Edvard%20Raphael) (1821-1881)   
Father and son team of Swedish engineers who, in 1853, constructed an operational Difference Engine that was modeled after Charles Babbage's plans. Demonstrating that the machine could be constructed with the technology of the day.   
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[Wilhelm Schickard](http://www.techcn.com.cn/index.php?doc-innerlink-Wilhelm%20Schickard) (1592-1635)   
German astronomer, linguist, mathematician, and minister who in 1623 created the first workable adding machine which incorporated John Napier's logarithms.   
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[Helmut Schreyer](http://www.techcn.com.cn/index.php?doc-innerlink-Helmut%20Schreyer) (1912-1984)   
德国工程师。German engineer who, as a graduate student helped Konrad Zuse design and build his mechanical and electromechanical computers. He is also credited with the idea of using vacuum and neon tubes instead of electromechanical relays.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Claude Elwood Shannon](http://www.techcn.com.cn/index.php?doc-innerlink-Claude%20Elwood%20Shannon) (1916- )   
Michigan born mathematician who wrote several influential papers, including one in 1937 that set the stage for digital computers and another in 1948 that founded information theory. He also wrote a paper that described the stored program computer, which led to the development of John von Newmann's digital, all purpose electronic calculating device. The International Standard Organization (ISO) named the "shannon", a unit of measurement for information content, after him. Shannon also has been recognized as the first person to use the word "bit".   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[William Bradford Shockley](http://www.techcn.com.cn/index.php?doc-innerlink-William%20Bradford%20Shockley) (1910-1989)   
   
British co-inventor of the transistor, and a member of the AT&T Bell Telephone Laboratories team with John Bardeen and Walter Brattain. The three shared a nobel prize in physics in 1956.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Clive Sinclair](http://www.techcn.com.cn/index.php?doc-innerlink-Clive%20Sinclair)   
British inventor, who brought the price of computers below $100.00 (Sinclair ZX80).   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[George Robert Stibitz](http://www.techcn.com.cn/index.php?doc-innerlink-George%20Robert%20Stibitz) (1904-1995)   
   
American mathematician at AT&T Bell Laboratories who invented several computers the first of which used Boolean logic to add, subtract, multiply, and divide complex numbers. This Complex Number calculator, completed in 1939, provided the foundation for digital computers and was also the first machine to be used from a remote location.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Bjarne Stroustrup](http://www.techcn.com.cn/index.php?doc-innerlink-Bjarne%20Stroustrup) (1950- )   
A Dane who invented the C++ programming language. He also wrote two books about the language.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Ivan Sutherland](http://www.techcn.com.cn/index.php?doc-innerlink-Ivan%20Sutherland%20)  
   
Sketchpad Project, MIT, 1963   
 The display, a lightpen, and a bank of switches were the interface on which Ivan based the first interactive computer graphics. In 1963, his Ph.D. thesis, "Sketchpad: A Man-machine Graphical Communications System," used the lightpen to create engineering drawings directly on the CRT.  Highly precise drawings could be created, manipulated, duplicated, and stored. The software provided a scale of 2000:1, offering many acres of drawing space.   
Sketchpad pioneered the concepts of graphical computing, including memory structures to store objects, rubber-banding of lines, the ability to zoom in and out on the display, and the ability to make perfect lines, corners, and joints. This was the first GUI (Graphical User Interface) long before the term was coined.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Randy Suess](http://www.techcn.com.cn/index.php?doc-innerlink-Randy%20Suess)   
He and a friend, Ward Christensen, created the first BBS February 16, 1978, in Chicago.   
 It wasn't called a BBS. The name was CBBS.   
The first BBS ran on an S-100 computer with 64k RAM and two single-sided 8" diskettes each holding 250k.   
Randy put the hardware together; Ward wrote the BBS software in 8080 assembler and served as the system operator, a term quickly shortened to sysop.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Gordon K. Teal](http://www.techcn.com.cn/index.php?doc-innerlink-Gordon%20K.%20Teal) (1907- )   
   
Texas born Texas Instruments physicist who, in 1954, perfected a way of making transistors out of silicone, one of the most common elements, instead of using germanium, which cost more than gold.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
[Paul Terrell](http://www.techcn.com.cn/index.php?doc-innerlink-Paul%20Terrell)   
   
Started the Byte Shop in December 1975. He also was interested in selling Apple I's. Without Paul Terrell and the Byte shop Apple may have never gotten anywhere.  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
[Linus Torvalds](http://www.techcn.com.cn/index.php?doc-innerlink-Linus%20Torvalds)   
   
In 1990, Torvalds, a student of 25 years old at the University of Helsinki, was looking to replace his old Commodore. He did not want DOS for an OS and UNIX was expensive. That is why he created LINUX, with the help of many people from around the globe. An operating system distributed for free an alternative for Microsoft WINDOWS.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Jack Tramiel](http://www.techcn.com.cn/index.php?doc-innerlink-Jack%20Tramiel)   
   
Auschwitz survivor who founded Commodore International, which released the Pet (Personal Electronic Transactor) in 1978 and began the micro computer race with Tandy Radio Shack and Apple Computer. Tramiel, later sold the Texas based company to buy Atari from Warmer Communications.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Alan Mathison Turing](http://www.techcn.com.cn/index.php?doc-innerlink-Alan%20Mathison%20Turing) (1912-1954)   
   
英国数学家，在Bletchley Park设计Colossus计算机时起到关键性作用，Colossus可以说是第一台电子计算机，二战中用于破解德国的密码。后来，他发明了“图灵测试”（Turing Test），如果一台计算机能够通过这项测试，就可以证明它能够思考（当然，到现在还没有计算机能够通过）。1952年，他由于“有失风化”的行为，而被强行服用女性荷尔蒙，因为他是一位同性恋者。两年后，他去世。  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[An Wang](http://www.techcn.com.cn/index.php?doc-innerlink-An%20Wang) (1920-1990)   
Chinese physicist and engineer who invented and patented magnetic core storage while working at Harvard University for Howard Aiken. IBM bought the storage method for a ridiculously low price considering that magnetic string memories ended up making stored program computers commercially practical. Want later founded his own company in Boston, Wang Laboratories Inc. The company created the first desktop computer and also developed word processing in which text editing could be done on screen.   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[John E. Warnock](http://www.techcn.com.cn/index.php?doc-innerlink-John%20E.%20Warnock)   
   
他发明的页面描述语言Post-Script PDL，成为引发桌面出版革命的重要因素，1982年他和Charles Geschke一起创办了软件公司Adobe系统。  
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[Thomas J.Watson](http://www.techcn.com.cn/index.php?doc-innerlink-Thomas%20J.Watson) (1874-1956)   
   
出生于纽约，他在二战期间创办IBM公司，并担任公司总裁。他投资Howard Aiken的计划，建造了哈佛MARK I计算器。  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Thomas J. Jr. Watson](http://www.techcn.com.cn/index.php?doc-innerlink-Thomas%20J.%20Jr.%20Watson) (1914-1993)   
   
1952年，他接过父亲的接力棒，担任IBM总裁一职。上任后明确了公司建造和销售计算机的发展方向。在他的领导下，IBM逐渐成为计算机市场的绝对垄断者。蓝色巨人从此确立。   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Maurice Vincent Wilkes](http://www.techcn.com.cn/index.php?doc-innerlink-Maurice%20Vincent%20Wilkes) (1913- )   
英国数学家，负责设计和建造EDSAC (Electronic Delay Storage Automatic Calculator)，这台拥有存储内存的计算机又16根钢管和3000个真空管组成，可以用英文编程，每秒可执行加法140万次。后来，他建造EDSAC 2，这是第一台具有微型可编程控制单元的计算机。   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Frederic Calland Williams](http://www.techcn.com.cn/index.php?doc-innerlink-Frederic%20Galland%20Williams) (1911-1977)   
英国工程师，在Tom Kilburn帮助下，为SEEM (small scale electronic machine)开发阴极射线管(CRT)的存储。1948年，SEEM在Manchester大学开始运行。CRT的存储是第一个高速随机存取内存 (RAM)，允许计算机直接读取特定的存储信息。   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Samuel B. Williams](http://www.techcn.com.cn/index.php?doc-innerlink-Samuel%20B.%20Williams)   
American engineer for AT&T贝尔实验室的美国工程师，1939年他指导George Stibitz完成大功能计算机器。   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Niklaus Wirth](http://www.techcn.com.cn/index.php?doc-innerlink-Niklaus%20Wirth) (1934- )   
出生于瑞典，创建了Oberon面向对象编程语言和使用1.5MB内存的操作系统，他还创建了Modula-2和Pascal。  
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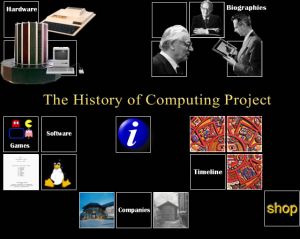
[Steven Gary Wozniak](http://www.techcn.com.cn/index.php?doc-innerlink-Steven%20Gary%20Wozniak)  "The Woz" (1950- )   
   
加州的电气工程师。1976年，与伙伴乔布斯一起，在乔布斯老爸的车库里共同创办苹果公司。Wozniak被认为是“苹果之父”，而乔布斯提供了苹果的发展野心和动力。他设计了商业上大获成功的Apple II电脑，将电脑业推向新的高潮，并将苹果从车库公司变成千百万美元规模的大公司。1985年离开苹果，创办了自己的公司CL-9 (Cloud 9)，设计远程控制产品。后来，他的时间主要帮助学生学习计算机，并帮助Mitch Kapor创办非赢利公民自由组织电子前线基金（Electronic Frontier Foundation），启蒙数字革命的社会影响，保护网上自由。   
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Hideo Yamachita](http://www.techcn.com.cn/index.php?doc-innerlink-Hideo%20Yamachita) (1899-1993)   
日本工程师，被认为是日本计算机产业之父。1950年，他领导的小组建造了日本第一台大型电子计算机Tokyo Automatic Calculator (TAC)，机器使用了真空管。  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  
[Jerry Yang](http://www.techcn.com.cn/index.php?doc-innerlink-Jerry%20Yang) (right)  
   
1994年还在斯坦福攻读博士学位的杨致远，与同学David Filo创建了互联网目录指南Yahoo!，帮助学校的同学们定位互联网上的优秀站点，后来成为全球最大的IT门户。  
\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

[Konrad Zuse](http://www.techcn.com.cn/index.php?doc-innerlink-Konrad%20Zuse) (1910-1995)   
   
德国工程师，1938年建造世界上最早的二进制数字计算机之一Z1，但是在二战中被炮火摧毁。他继续开发了后续的Z2、Z3和Z4，最后一台是战火中唯一的幸存者。

计算机先驱人物列表（THOCP）[回目录](http://www.techcn.com.cn/index.php?doc-view-130754.html" \l "section)

Aiken, Howard A.;(1900-73) Harvard Mark I

[](http://www.techcn.com.cn/uploads/200905/1242809147HhHhe2dE.jpg)**THOCP**

Adams, Henry 1838-1918

Alkhowarizmi; mathematics, (2), ancient mathematician, the number 0

Allen, Paul; (1953) co founder of Microsoft

Amdahl, Gene Myron; (1922- ) computer architect

Andreessen, Marc (1971)- co-founder of netscape corporation

Andrews, Earnest Galen;(1898-1980)

Aristoteles, ; Greek phylosopher

Artybasheff, Boris; (1899-1965)

Atanasoff, John V.; (1903-1995 ) first electronic computer

Atkinson, Bill; hypercard

Auerbach, Isaac Levin ; (1921-92)   
Augusta, Ada Countess of Lovelace , (2); 1816-1852 translating a report from French into to English on a lecture Babbage gave, she added her own lengthy notes to the text, and has been credited with developing the concepts of "loop" and "subroutine".   
   
Babaian, Boris A.; (1933) Russian supercomputers

Babbage, Charles; (1791-1871) differential machine, analytical machine

Bachmann, C.W.; Bachmann diagrammes. (2) (databases)

Backus, John W.; (1924 - ) developer of Fortran, (2)

Baer, Ralph

Bain, Alexander

Baird, John Logie -  inventor of mechanical television, radar and fiber optics   
Ballmer, Steve; co-founder Microsoft

Bardeen, John (1908-1991) co-inventor of the transresistor, or transistor   
Barlow, John P.; founded EFF with Mitch Kapor.

Barron, Ian

Barth, Carl George Lange (1860-1939)

Bartik, Jean; (1924- ) revamping the ENIAC to be a stored program computer, wrote the code

Baum, Lyman Frank (1856-1919)

Bech, Niels; (1920-75)

Bell, Alexander; telephone

Bell, Chester Gordon; (1934 - ) minicomputer developer, (2) (Digital), founded the Computer Museum in Boston with his wife, Gwen

Bemer, Bob (Robert William); (1920 - 2005) One of the developers of COBOL and the ASCII naming standard for IBM (1960s); inventor of the ESCape sequence, the universal switching mechanism for all computer-controlled communications

Berners-Lee, Tim; (2) developer and promotor of the World Wide Web (www.)

Bernouilli; bernouilli numbers, prime numbers

Berry, Clifford;(1918-1963) together with John Atanasoff designed the first machines to use electronic techniques in digital calculation

Bigelow, Julian; (1913- )

Billings, John Shaw; (1839-1913)

Bjerknes, Vilhelm; (1862-1951)

Blumenthal, William Michael ; (1926- )

Blumlein, Alan; invented stereo sound, surround sound

Bohr, Niels

Bollee, Leon; (1870-1913) ; invented one of the first commercial mechanical calculators small enough to fit on a large tabel.

Boole, George; (1815-1864) binairy logics. proposition logic

Booth, Andrew Donald ; (1918- ) magnetic drum memories, tried to construct a floppy disk with oxide coated paper.

Booch, Grady; co developed UML

Boyer, Joseph; (1848-1905)

Bradley, David J.

Brainerd, John Grist ; (1904-88)

Brainerd, Paul; (1947) founder of the Aldus Corp creator of Aldus PageMaker

Brattain, Alexander

Brattain, Walter; (1902-1987) co-invented the transistor, with John Bardeen and William Shockley

Brattain, Shockley en Bardeen; inventors of the transistor; they shared a Nobel Prize in physics in 1956.

Braun; astrolabus

Braun, Antonius

Braun, Ferdinand

Bricklin, Daniel, (2) - (1951) inventor of Visicalc spreadsheets, Bob Frankston, wrote the code for Visicalc

Briggs, Henry; (1561-1630) logarithm table

Brody, Florian T.; groundbreaking work on CD-ROM (1984)

Brooks Jr., Frederick Phillips; (1931 - ) Managed the development of the 360 operating system software for IBM (1960s); wrote The Mythical Man-Month about software project managementBrown, Sir Thomas

Brown, Gordon S. ; (1907- )

Brown, Theodore; (1888-1973)

Brown, Thomas

Brown, Walter; Co-founder of Atlantic Software, principal contributor to Informatics accounting packages

Bryce, James Wares ; (1880-1949)

Bush, Vannevar, Vannevar Bush

Buerghi, Joseph

Burks, Arthur Walter ; (1915- )

Burroughs, William Seward; (1855-1898)created and patented a printing adding machine in 1888

Bush, Vannevar; (1890-1974)

Bushnell, Allen

Bushnell, Nolan; creator of Pong   
   
Canion, Rod; Insource Technology, co-founder of compaq computers

Carpenter, Richard; Founded Index Technology to deliver Case tools in 1983

Carr, John Weber ; (1923- )

Cary, Frank Taylor ; (1920- )

Casselli, Giovanni

Cerf, Vinton (1943) co-developed the TCP/IP (Transmission Control Protocol / Internet Protocol) for the Internet

Charney, Jule Gregory ; (1917-81)

Chatfield, Glenn; Founded Duquesne Systems to provide productivity tools for IBM systems in 1970

Chadwick, James; 1847-1922, discovered the neutron, one of the three macro elements of an atom

Chernick, Aubrey; Founded Candle Corp. in 1977; developed Omegamon, first realtime performance monitor for MVS

Chevion, Dov; (1917-83)

Clark, Edith (1883-1959); excelled in breaking down complex mathematical constellations into simple graphical presentations

Clark, Jim - co-founder of silicon graphics and netscape corporation, (2) Silicon Graphics and Netscape

Cocke, John 1925 - 2002 Chief Architect of the IBM RISC architecture   
Codd, Dr. Edgar F.; Inventor of relational database theory in the 1970s, received Turing award   
Gerald Cohen; Designed early non-procedural language; founded Information Builders in 1975  
Colmar, Thomas de; one of the first marketable mechanical calculators   
Constantine, Larry ; Invented data flow diagrams, presented first paper on concepts of structured design in 1974

Cook, Bob; Founded VM Software to develop software for IBM VM in 1981

Comrie, Leslie John ; (1893-1950)

Cook, Stephen

Coombs, Allen W. M.;

Copernicus, Nicolaus ; revolutionubus, mathematician and astronomer

Corbato, Fernando Jose ; (1926- )

Crandall, Rick; Founded Comshare, one of the early time-sharing companies, in 1966; it later became a software company selling executive  support software

Cray, Seymour; (1925-1996) Cray supercomputers,also founded the Control Data Corp along with Eckert, William Norris and six others

Christen, Ward; (1); first operational bulletin board

Cullinane, John; Founded Cullinane Corp., which sold the IDMS database system, in 1968; it was the first software product company to go public (in 1978)

Cunningham, Peter; Founded INPUT, one of the first market research firms to focus on the software and software products market, in 1974

Curtiss, John Hamilton ; (1909-77)   
   
d'Ocagne, Maurice; (1862-1938)

Dahl, Ole-Johan; (1931-2002 ) Simula

Davies, Donald W.; packet-switching, internet

Dantzig, George Bernard ; (1914- )

Davinci, Leonardo; inventor, polymath

Deeds, Edward Andrew ; (1874-1960)

DeForest, Lee; triode electronic switch

DeMarco, Tom; Case methodology pioneer, author and consultant in the 1970s

Descartes, Rene; philosopher

Dewey, Melvil

Dick, Alfred Blake (1856-1934)

Dick, Jr., Alfred Blake ; (1894-1954)

Diebold, John; (1926- )

Dijkstra, Edsger; (1930-2002) computer science, encryption, programming methodology   
Dorner, Steve; invented Eudora an email package in 1988

Dougarty   
   
Eastman, George - (2); philanthropist and founder of kodak

Eckert, John P. ; (1919-1995) co inventor of one of the first fully electronical digital computer, along with Cray, William Norris and six others, (2) ,(3)

Eckert, Wallace John ; (1902-71)

Ed, Rob

Edison,Thomas Alva; invented the frigidaire and made the lamp commercialy viable

Einstein, Albert   
Eisler, Paul (1907-1995); inventor of the printed circuit (2)

Ellis, Jim;(1956-2001) co-created usenet the second most important internet application   
Ellison, Lawrence (Larry); Co-founded Oracle Corp in 1977; pioneered relational DBMS

Engel, Jr., Frank August ; (1917- )

Engelbart, Douglas; (2) (1925) - pioneer in human-computer communications, developer of the mouse and graphical user interface, (3)

Ershov, Andrei P. (1931-1988); theoretical programming

Estridge, Don; (1938-85) projectleader for the IBM PC/XT/AT (1981-1985)

Evans, Robert Overton ; (1927- )

Everett, Robert Rivers ; (1921- )   
   
Fairchild, George Winthrop; (1854-1924)

Fano, Robert Mano; (1917- )

Fantl. Leo

Faraday, Michael

Fast, August

Feigenbaum, Edward A. (AI)

Felstein, Lee; inventor Video Circuit Board, Osborne 1 along with Adam Osborne, Expander Computer, Sol computer

Felt, Dorr Eugene ; (1862-1930)

Ferguson, Dave; Author, in the late 60's, of PI-Sort, the first software product successfully sold against a free IBM sort program

Fischer, Emst Georg (1852-1935)

Flanders, Donald Alexander ; (1900-58)

Flemming, John Ambrose; inventor of the vacuum tube diode

Flint, Charles Ranlett; founding father of IBM (l850-1934)

Flowers, Thomas;(1905-1998) Colossus engineer

Floyd, Robert W. Forrest, Lee de

Forrester, Jay Wright; (2) (1918 - ) - inventor of magnetic-core memory, led the team that created Whirlwind

Forest, Lee de (1873 - 1961)

Forster, James Franklin ; (1908-72)

Fourier, Baron Jean-Baptiste-Joseph; (1768-1830); mathematician

Frank, Werner; Co-founded Informatics, the company which sold Mark IV, the first million dollar software product, in 1962

Bob Frankston, wrote the code for Visicalc

Frege, G.

Freytag Löringhoff, Dr. Bruno Baron von; reconstructor of Schickards calculator

Friedman, William Frederick ; (1891-1969)

Fylstra, Dan; Viscalc the first spreadsheet program   
   
Galler, Bernard Aaron; (1928- )

Galvin

Gates, Jim

Gates, Wiiliam H. III (Bill); (1955) one of the founders of Microsoft, DOS, Windows, (2) (see also interview and unofficial information)

Geissler Igelshieb, Heinrich

Gianello Toriano

Geschke, Charles M. founder of Adobe Systems in 1982 who, along with John Warnock, created "the desktop publishing" environment

Gill, Stanley; (1926-75)

Glushkov, Victor Mikhaylovich ; (1923-82)

Goetz, Marty; Co-founded Applied Data Research (ADR) in 1959; received the first patent issued on a software product

Goldstine, Herman Heine ; (1913- ) helped design the ENIAC, wrote one of the most complete computer history books.

Goldstein,  Bernie; Founded Broadview Associates (1970s), the first investment banking firm to focus on software industry mergers and acquisitions

Good, I. J. ;

Goodman, Richard; (1911-66)

Goodnight, Dr. James; Co-founded SAS Institute in 1976; developer of the SAS System

Gore, John K. ; ( 1845- l910)

Goto, Eiichi; inventor of the parametron computer

Gödel, Kurt

Grad, Burt; One of the members of the IBM team which developed the plan for unbundling software from hardware in 1969

Grant, George Barnard; (1849-1917)

Green, John

Green, Julien; (1924- )

Grillet, Rene (1600s)

Gore ,John K. ( 1845- l910)

Goto, Eiichi; inventor of analogue computer

Griswold, Ralph E.; (1934- )

Grosch, Herb; Director in 1960 of the U.S. government’s Center for Computer Science and Technology (now called NIST, National Institute of Standards and Technology)   
Grove, Andrew, co-founder Intel

Groves, Leslie Richard ; (1896-1970)

Gudden, John Bernard   
   
Hamming, Richard W.;

Harris, Dr. Larry; Founded AICorp in 1975; developed AI-based natural language technology

Harron, Ducos de;

Harris, Peter; Founded ADPAC Corporation in 1963

Hartree, Douglas Rayner ; (1897-1958)

Hawking, Stephen;

Hazen, Harold Locke ; (1901-80)

Heisenberg, Werner;

Hell, Rudolf (1901-2002); inventor of fax machine

Henry, Joseph;

Herbrand, Jacques;

Heron of Alexandria; Greek mechanician and inventor

Herschel, John;

Herz, Heinrich;

Hewlett, William R.; (1913) co-founder of Hewlett Packard, (2)

Hill, Richard; Co-founded Informatics, the company which sold Mark IV, the first million dollar software product, in 1962

Hills, Danny

Hoare, C. A. R.; (CSP)

Hoerni, Jean;

Hoff, Ted; (1937) co-developer of the microprocessor, see also W.D. Pickette, Ray Holt

Holberton, Betty (1927) one of a team of 5 programmers on the ENIAC

Hollerith, Herman, (2) (1860-1929) tabulator machine   
Holt, Ray (19..) invented central processor in 1971 - as member of a team for the F14A, see also W.D. Pickette, Hoff, Ted

Hopper, Grace; (1906-1992) Created together with other engineers COBOL, Naval officer and computer scientist who led the effort in the 1960s to develop COBOL (Common Business-Oriented Language)

Hoover, Bill; President from 1964 to 1995 of Computer Sciences Corp. (CSC) which was an early entrant (late 1960s) in the software products market; it ultimately became a multi-billion dollar software services company

Househoulder, Alston Scott ; (1904-1993)

Huffman, David A.; Discovered a fast and efficient method of compression

Hull, Clark; (1884-1952)

Hurd, Cuthbert C.; (1911- )

Huskey, Harry Douglas ; (1916- )

Hyatt, Gilbert; co-inventor of the microprocessor in 1968, patent awarded in 1990   
   
     
  Ichbiah, Dr. Jean; Principal designer, Ada language (1977)

Imlay, John; In 1971, became CEO of Management Science America (MSA), the first applications software supplier to exceed $100M in annual revenues

Iverson, Kenneth E.; invented APL in 1962

Irvine, John;

Iwatani, Toru; Inventor of Pac Man video game   
   
Jacobs, Walter W.; (1914-82)

Jaquard, Joseph Marie; (1752-1834) French weaver who built a fully automated loom programmed by punched cards.

Jaquet-Droz, Pierre en Henry; (1700s) punch card weaving

Jerger, Doug; Co-founder of Fortex, an early accounting software products company

Jevons, William Stanley; (1835-82)

Johnson, Luanne James; Founded Argonaut Information Systems to sell payroll and accounts payable software in 1971

Jobs, Steven Paul ; (1955- ) co founded Apple and founded Next

Johnson, Reynold B. ; (1906- )

Jones, Fletcher (deceased); Co-founder of Computer Sciences Corp. (CSC); one of the initiators of SHARE and the SHARE Operating System (SOS)

Jones, T. Capers ; Developed first large-scale estimating package for IBM (1972)

Jones, Dr. Kirk; Pioneered business planning software; principal designer of IFPS (1975)

Josephson, Brian D.; Josephson switch, hyper speed switching on molecular/atomaire level   
   
Kapor, Mitch ; (1950- ) developer of Lotus 1-2-3 along with Jonathan Sachs, and founded the Lotus Development Corp. in 1982, Kapor Enterprises   
Karmanos, Peter; Founded Compuware in 1973; developer of IBM systems software, along with Thomas Thewes, Allen B. Cutting   
Katch, David (deceased); Co-founded Boole & Babbage in 1967; pioneered performance management software   
Katz, Charles; (1927- )   
Katz, Philip; (1963 -2000) Inventor of PKZip   
Kay, Andy; KAYPRO   
Kay, Alan; inventor of smalltalk and dynabook, a visionair in computing   
Keet, Lee; Co-founded turnkey systems, inc., which sold Taskmaster, one of the first telecommunications monitors, in 1967   
Kemeny, John G. (1926-1992) co-developer along with Thomas Kurtz, of the programming language BASIC and  founder of true basic corporation in 1964

Kempelen, Wolfgang von; (1734-1804)

Kepler, Johannes ; astronome who corresponded with Schickard about a calculator   
Kernighan, Brian W ; developed with Ritchie Unix en C, co-invented Awk (1977)

Kilby, Jack Sinclair, (2) (1923) co-inventor of the integrated circuit at Texas Instruments independently and at the same time as Robert Noyce did this at Fairchild Semiconductor; Along with Jerry D. Merryman and James Van Tassel, Kilby helped invent the first electronic handheld calculator by adapting the integrated circuit.

Kilburn, Tom ; invented the binary adder

Kildall, Gary; (2) (1942-1994 ) creator of cp/m operating system for Digital Research

Kinsberger, Jack van; Member of IBM’s 360 operating system design team in 1967; technical VP at Boole & Babbage

Knuth, Donald Ervin (1938- ) author, mathematician, computer scientist and pioneer researcher on  compilers, attribute grammars, algorithms and digital typography, (2) (TeX) , a seven volume series on "The Art of Programming"

Kolence, Ken; Co-founded Boole & Babbage in 1967; pioneered performance management software

Kubie, Elmer; Founded Computer Usage Company, the world’s first computer software company, with John W. Sheldon in March, 1955

Kurtz, Thomas E. ; (1928) co-developer (Kemeny) of BASIC programming language in 1964 and  co-founder of true basic corporation

Kurtzig, Sandra; Founded Ask Computer Systems in 1971; introduced first multiterminal mini-based MRP system   
   
Lake, Clair D. ; (1888-1958) one of the co-inventors of the Harvard-IBM MARK I

Lamport, Leslie   
Lampson, Butler; (1943-) pioneer on operating systems   
Landry, John; Led McCormick & Dodge development team in release of Millennium environment (1983)

Lanier, Jaron - computer scientist, artist and musician  
Learn, Dale; Co-founded Information Science, Inc. (InSci), which sold payroll and human resources software, in 1965

Langefors, Borje; (1915- )

Lebedev, Sergei A. 1902-1974; MESM computer, Ukraine

Lecht, Charles  (deceased); Pioneered compiler technology, founded Advanced Computer Techniques in 1962

Lehmer, Derrick Henry ; (1905-91)

Lehovec, Kurt

Leibnitz, Gottfried Wilhelm von; (1646-1716) the first to discuss the binary system

Lenat, Doug   
DaVinci, Leonardo (1452-1519) Polymath in the 15/16th century whom invented presumably the first calculating machine   
Levin, Leonid

Licklidder, Joseph C.R. (1914-1990) instrumental in the construction of the internet (ARPA)

Lovelace, Augusta Ada Countess of , (2); 1816-1852 translating a report from French into to English on a lecture Babbage gave, she added her own lengthy notes to the text, and has been credited with developing the concepts of "loop" and "subroutine".

Lowry, Dave; Founded Data Design Associates to sell accounts payable software in 1973.

Ludd, Edward; Alledgedly tried to destroy engines and kind to prevent loss of job

Ludgate, Percy E.; (1883-1922)

Lukoff, Herman; (1923-79)

Lull, Ramon (1235-1315)

Lyons, Mike; Software re-engineering pioneer; co-founded Catalyst Corp. in 1979   
   
Machover, Carl ; Pioneer in graphics and image processing techniques and consultant to CAD and CAM companies

Maguire, John ; Founded Software AG in 1971; it sold the Adabas database system in the U.S.

Mandelbrot, Benoit; Discovered a way to create a complete graphical image with mathematical formulas, (2)

Mannhein, Amedee

Marconi, Guglielmo; Telegraph system

Markowitz, Harry ; In the early 1960s, co-founded California Analysis Centers, Inc. (CACI) which developed Symscript, one of the earliest software products   
Markkula, A.C. "Mike" Former Intel executive who invested in Apple early on, essentially becoming a third partner to Steve Wozniak and Steve Jobs.

Martin, James; Founded Information Engineering approach

Marquand, Allan; (1853-1924)

McCarthy, John (1927- ) co-inventor of artificial intelligence and LISP,  (2) (AI) 1958

McCluskey, Edward J.; developed the Quine-McCluskey method for logic minimization   
McNealy, Scott; co founder of SUN

Morse, Samuel ; inventor of morse alfabeth and electrical telegraph

Marquand, Allan ; (1853-1924) logic computers

Matthaeus, Philip

Mauchly, John William, (2) (1907-1980) created with J. Presper Eckert and a 50 member team the first electronic large scale, general purpose calculator, known as the ENIAC.

Mauchly, John V.;

Mead, Carver

Meagher, Ralph Ernest ; (1917- )

Menabrea, L.F.

Metcalfe, Bob - (1946) inventor of ethernet and founder of 3com corporation

Metropolis, Nicholas C. ; (1915- )

Michie, Donald;

Milner, Robin (LCF, ML and CCS)

Millard, William;

Mills, Harlan

Miner, Robert (Bob)  (1942-1994); Co-founded Oracle Corp. in 1977; pioneered relationship DBMS   
Miner, Jay (1932-1994); was responsible for the development of the "Amiga", along with RJ Mical, Dave Morse and Carl Sassenrath.

Minsky, Marvin Lee; (1927- ); pioneer in Artificial Intelligence.

Mock, Owen; first operating system

Moers, Calvin;

Moore, Gordon E.; (1929- )

Morganthaler, Gary; Pioneered relational DBMS market in the 1970s; while at UC/Berkeley, developed Ingres; co-founded Relational Technology

Morland, Samuel (1625-95)

Molnar, Charles E.

Morse, Samuel;

Muller, Joseph   
Muuss\_mike (19nn-2000); creator of "ping" , tccp and CAD solid modeling.   
   
Napier, John; (1550-1617) 'Napier Bones', logarithms

Naur, Peter; (1928- )   
Needham, Roger ( 1935-2003); pioneer in operating systems, time sharing systems, memory protection, local area networks and distributed systems.   
Negroponte, Nicholas;

Nelson, Ted; (1937) inventor of hypertext, originator of project Xanadu

Neumann, John von; (1903-57) computer architecture, (2),(3)

Newell, Allen; (1927-92)

Newton, Isaac

Newman, M.A.H.;   
Noorda, Ray; Noorda Family Trust, Father of the PC LAN

Norman Nie; Pioneered statistical analysis programming in 1965; founded SPSS (1975)

Norris, William (1911) co-founder of control data corporation

Noyce, Robert N. (2) (1927 - 1990) co-inventor of the microchip and founder of fairchild semiconductor and intel corporations

Nutt, Roy  (deceased); Co-founder of Computer Sciences Corp. (CSC)

Nygaard, Kristen; (1926-2002)   
   
Odhner, Willgodt Theophil (1845-1905); developed a very succesful table calculator in use until the early 1980's   
Øersted, Hans Christian (1777-1851); discovery of the unity of electricity and magnetism — electromagnetism.

Ohl, Russel (1975) inventor of photo voltaic cell   
Olliver, Bernard; (1916-1995) Founder of Hewlett-Packard Laboratories in the early 1950's who directed its research for approximately 30 years.

Olsen, Kenneth Harry; (1926 - ) member of Whirlwind team, founder of DEC, (2)

Opel, John R.; (1925- )

Oppenheimer, Robert ; mathematician and one of the scientists producing the atom bombs dropped on Hiroshima and Nagasaki, Japan in 1945

Orr, Ken; Founded Ken Orr & Assoc.; developed Case methodology in the 1970s

Osborne, Adam - (1939-2003 ) inventor of portable computers, Osborn I

Oughtred, William   
   
Packard, David; (1912-1996 ) co-founder of Hewlett Packard, (2)

Paper, Seymour; designed the LOGO computer language as a learning tool for children.(1967)

Page, Peter; Developed Software AG’s Natural, pioneered 4GLS (1979)

Pascal, Blaise, (2); (1623-1666) phylosopher, mathematician and inventor of the pascaline

Pasta, John R.; (1918-81)

Pastore, Annibale; (1868-1936)   
Paterson, Tim; (1956-) Original developer of DOS for PC's   
Patterson, John Henry; (1844-1922) founder of NCR

Patrick, Bob; develops first operating system

Peddle, Chuck

Perot, H. Ross ;

Pickette, Wayne D.; inventor of the principle of the CPU on a chip

Pinkerton, John

Planck, Max

Poel, William Louis van der; (1926- )

Porter, Andrew;

Postley, John; Developed Mark IV (1967), the first million dollar software product, for Informatics

Postel, Jonathan (Internet)

Proulx, Merle; Author of Uccel’s DB4 DBMS and UCC COBOL (1974)

Pugh, Emerson W.; (1929- )   
    
Rabin, Michael

Rajchman, John; (1911-89)

Ramo, Simon; (1913- )

Rand, James Henry ; (1886-1968)

Randell, Brian; (1936- )   
Raskin, Jef (1943–2005); human-computer interface expert best-known for starting the Macintosh project for Apple Computer in the late 1970s.

Rees, Mina Spiegel ; (1902- )   
Ritchie, Dennis M.;  (1941); developed in the early 1970s with Kernigan Unix(3) en C (2) - developed the UNIX computer operating system, C was devised as a system implementation language for the nascent Unix operating system.   
Ridenour, Louis; (1911-59)   
Roberts, H. Edward; with three friends, founded the Micro Instrumentation and Telemetry Systems (MITS), the company soon introduced the Altair   
Rock, Arthur; co-founder Intel, primary funder Fairchild

Roberts, Larry; (1937) considered "the father of the internet"

Rosen, Saul; (1922-91)

Ross, Douglas; Developed Automatically Programmed Tools (1958), paving the way for computer-aided manufacturing

Rothrie, Dr. James B.; Developed distributed database technology at Computer Corp. of America (1976)

Rowe, Lawrence; Pioneered relational DBMS market in the 1970s; while at UC/Berkeley, developed Ingres; co-founded Relational Technology

Rutherford, Ernest   
    
Sall, John; Co-founded SAS Institute in 1976; developer of the SAS System

Sammet, Jean; (1928- ) Early language compiler programmer; author of a book on history of computer languages, she was the first female president of ACM

Sassenrath, Carl; one of the designers of the Amiga OS

Scheutz, Georg Pehr; (1785-1873) (2) Difference Engine, Sweden

Scheutz, Edvard,(1785-1873) Sweden (2) Difference Engine modelled after Babbage's designs, Sweden with Edvard Raphael (1821-1881)

Schickard, Wilhelm (1592-1635)

Schott, Gaspard (1608-66)

Schrayer, Michael; electric pencil, first word processor

Schreyer, Helmut; (1912-1984) helped Konrad Zuse design and build his electro-mechanical computers

Shannon, Claude Elwood; (1916- 1999) digital design systems; (2) - computer pioneer, (3) information theory

Shaw, Cliff J.; (1922-91)

Shaw Billings, John Shaw ; (1839-1913)

Shockley, William Bradford; (1910-1989) British co-inventor of the transistor, with John Bardeen and Walter Brattain. The three shared a nobel prize in physics in 1956.

Sholes, Christopher; 5.25" disk

Shugart, Alan; 5.25" disk; (2) - co-founder of seagate technology corporation

Simon, Herbert Alexander ; (1916-2001) pioneer in Artificial Intelligence

Sinclair, Clive (1940-); invented the ZX80, the price of computers dropped below $100 (1) (personal computers)

Sippl, Roger J.; Founded Informix in 1980; developed DBMS application tools   
Skoll, Jeff; first full time employee and first president of eBay, an auction site

Slutz, Ralph J.;

Smith, Burton

Stallman, Richard (1953-);  Open Source Software, the GNU project

Stanhope, Charles 3rd earl of

Stibitz, George Robert ; (2) (1914-1995) computernetworks, datacommunication, used Boolean logic to add, subtract, multiply, and divide complex numbers. This Complex Number calculator, completed in 1939, provided the foundation for digital computers

Stonebraker, Michael; Pioneered relational DBMS market in the 1970s; while at UC/Berkeley, developed Ingres; co-founded Relational Technology   
Stroustrup, Bjarne (1950), invented the C++ programming language

Sutherland, Ivan (1938-); electronics engineer, computer graphics and virtual reality pioneer, (2) (graphics)

Strachey, Christopher; 1916-75) denotational semantics

Svoboda, Antonin; (1907-80)   
    
Tarjan, Robert

Tarski, Alfred; ( 1901-I983)

Teal, Gordon; (1907) transistor, perfected a way of making transistors out of silicate, one of the most common elements, instead of using germanium, which is expensive   
Tesla, Nikola; (1856-1943) Tesla coils, umpty inventions with electricity, a modern day Leonardi da Vinci

Thompson, Kenneth (1943-) , (2) Unix

Tompson, Joseph John,

Tramiel, Jack; Commodore PET, the C64 computer a multimillion seller

Torres y Quevedo, Leonardo; (1852-1936)

Torvalds, Linus;  (2) (Linux organisation)

Trevisa   
Treybig, Jimmy; Founder of Tandem computers

Turing, Alan Mathison; (1912-1954) Treatise on On computable numbers, (2) (Colossus and code-breaking)   
    
Ulam, Stanley M.;

Utman, Richard; (1926- )   
    
Verea, Ramon; (1838-99)

Veit, Stan; (1919-) Pioneer in the PC arena, setting up one of the first computer outlets in the US, publisher

Viehe, F.W.; core memory

Volta, Allessandro; electrical current   
    
Wall, Larry (); developer of programming language Perl, playing a vital role in or for the internet.   
Wang, An; (1920-1990) Magnetic Core Memory, (2)

Wang, Charles ; Founded Computer Associates (1975), first software company to exceed $500M

Ware, Willis Howard ; (1920- )   
Warnock, John E.; invented Post-Script PDL (Page Description Language) a major factor leading to the desktop publishing revolution. He and Charles Geschke were the founders of Adobe Systems

Watt, James; improved and made the steam engine multi purpose

Watson, Bill; Founded Software International to sell general ledger software (early 1970s)

Watson, Thomas John ; (1874-1956) president of the International Business Machines (IBM) Corp. who built up the company during WWII and also invested in Howard Aiken's plan to build the Harvard MARK I calculator

Watson, Jr., Thomas John ; (1914-1992) He took over his father's position as president of IBM in 1952, convinced that the company should build and market computers. He eventually led the company to having total domination of the computer market

Werner, Lee;

Weizenbaum, Joseph; (1923- )

Wheeler, David John ; (1927-2004)

Wiberg, Martin; (1826-1905)

Wiener, Norbert; (1894-1964) mathematician, pioneer of cybernetics and artificial intelligence

Wijngaarden, Arie van; (1933-87)

Wilkes, Maurice; (1913- ) (2) (EDSAC) EDSAC 2

Williams, Hugh; One of the members of the IBM team which developed the plan for unbundling software from hardware in 1969   
Wilkinson, J.H. numerical analysis

Williams, Frederic Calland; (1911-1977) RAM - Williams Tube (CRT), (2)

Wirth, Niclaus; (1934) Pascal, Modula-2 programming languages, (2) Oberon an object oriented operating system

Wolfram, Stephen (Mathematica)

Wong, Eugene; Pioneered relational DBMS market in the 1970s; while at UC/Berkeley, developed Ingres; co-founded Relational Technology

Woodger, Michael;

Wooldridge, Dean Everett ; (1913- )

Wozniak, Stephen,(1950- ) (2), (3), co founder of Apple    
     
Yamachita, Hideo (1899-1993); Japanese engineer considered the father of Japan's computer industry. He led the team in 1950 that created Japan's first large electronic computer, the Tokyo Automatic Calculator (TAC), with vacuum tubes

Yourdon, Ed; Developed the concept of structured programming, Case methodologies (1976)    
Zemanek, Heinz; (1920- )  
Zuse, Konrad,(1910-1995) (2)(3) , inventor of Z1 - Z4 wartime computers with binary arithmatic

计算机先驱奖获奖人员介绍 [回目录](http://www.techcn.com.cn/index.php?doc-view-130754.html" \l "section)

 IEEE—  CS和计算机先驱奖   
 1980年计算机先驱奖获得者：霍华德·艾肯 ----世界上第一台大型自动数字计算机Mark I的设计者   
 1980年计算机先驱奖获得者: 塞缪尔·阿历克山大 ---- 美国标准局“东部机”的项目负责人    
 1980年计算机先驱奖获得者：吉纳·阿姆达尔 ---- IBM系列机的功臣和“插接兼容式”计算机的创始人   
 1980年计算机先驱奖获得者：约翰·巴克斯 ---- FORTRAN和BNF的发明者   
 1980年计算机先驱奖获得者：罗伯特·巴登 ---- 堆栈式计算机的首创者  
  1980年计算机先驱奖获得者：切斯特·贝尔 ---- “小型机之父”  
 1980年计算机先驱奖获得者：弗雷德里克·布鲁克斯 ---- IBM 360系列计算机的总设计师和总指挥   
 1980年计算机先驱奖获得者：威斯利·克拉克 ---- 世界上最早的个人计算机LINC的发明者   
 1980年计算机先驱奖获得者：费尔南多·考巴脱 ---- 实现分时系统的功臣   
 1980年计算机先驱奖获得者：西摩·克雷 ----  “超级计算机之父”   
 1980年计算机先驱奖获得者：埃德斯加·狄克斯特拉 ---- 最先察觉“goto有害”的计算机科学大师   
 1980年计算机先驱奖获得者：约翰·埃克特 ---- 世界上第一台电子计算机ENIAC的设计者   
 1980年计算机先驱奖获得者：杰伊·福雷斯特 ---- 计算机发展史上“最值得记忆的核心人物”   
 1980年计算机先驱获得者：赫尔曼·哥尔斯廷 ---- ENIAC计算机的“催生者”   
 1980年计算机先驱奖获得者：理查德·哈明 ---- 发明纠错码的大数学家和信息学专家   
 1980年计算机先驱奖获得者：吉恩·霍厄尼 ---- 半导体平面处理技术的发明   
 1980年计算机先驱奖获得者：格蕾丝·赫柏 ---- “计算机软件的第一夫人”   
 1980年计算机先驱奖获得者：阿尔斯通·豪斯霍德 ---- 从数学家到数值分析专家   
 1980年计算机先驱奖获得者：戴维·霍夫曼 ---- 他发明了著名的“霍夫曼编码”   
 1980年计算机先驱奖获得者：肯尼思·艾弗森 ---- 大器晚成的科学家，APL的发明人   
 1980年计算机先驱奖获得者：托玛斯·基尔蓬 ---- 引领一代计算机技术世界潮流的英国学者   
 1980年计算机先驱奖获得者：唐纳德·克努特 ---- 经典巨著《计算机程序设计的艺术》的年轻作者   
 1980年计算机先驱奖获得者：赫尔曼·儒科夫 ---- 计算机产业化的先行者   
 1980年计算机先驱奖获得者：约翰·莫奇利 ---- 世界上第一台电子计算机ENIAC的设计者   
 1980年计算机先驱奖获得者：戈登·莫尔 ---- 对IT技术发展作出天才预测的科学家   
 1980年计算机先驱奖获得者：艾伦·纽厄尔 ---- 人工智能符号主义学派的创始人之一   
 1980年计算机先驱奖获得者：罗伯特·诺伊斯 ---- 被称为“硅谷市长”的集成电路发明者之一   
 1980年计算机先驱奖获得者：洛伦斯·罗伯茨 ---- “计算机网络之父”   
 1980年计算机先驱奖获得者：乔治·斯蒂比茨 ---- 在厨房里做出计算机模型的发明家   
 1980年计算机先驱奖获得者：许缪尔·维诺格拉特 ---- 算法复杂性研究的先驱   
 1980年计算机先驱奖获得者：莫里斯·威尔克斯 ---- 世界上第一台存储程序式St算机EDSAC的研制者   
 1980年计算机先驱奖获得者：康拉特·祖泽 ---- 在恶劣环境中孤军奋战的成功者   
 1981年计算机先驱奖获得者：杰弗里·朱 ---- 杰出的华裔计算机科学家   
 1982年计算机先驱奖获得者：阿瑟·伯克斯 ---- ENIAC研制组的骨干成员之一   
 1982年计算机先驱奖获得者：哈利·赫斯基 ---- 美国标准局“西部机”SWAC的研制者   
 1984年计算机先驱奖获得者：约翰·阿塔那索夫 ---- 先于ENIAC Wa电子数字计算机ABC的建造者   
 1984年计算机先驱奖获得者：杰里尔·哈达德 ---- IBM首台科学计算机701的主要负责人之一   
 1984年计算机先驱奖获得者：尼古拉·梅特罗波利斯 ---- 最早用计算机解决原子能问题的数学家   
 1984年计算机先驱奖获得者：纳撒尼尔·罗切斯特 ---- IBM的第一个系统设计师   
 1984年计算机先驱奖获得者：威廉·范德玻尔 ---- 荷兰著名的ZRBRA计算机的设计者   
 1985年计算机先驱奖获得者：约翰·凯默尼 ---- BASIC语言的发明人之一   
 1985年计算机先驱奖获得者：约翰·麦卡锡 ---- “人工智能之父”和LISP语言的发明人   
 1985年计算机先驱奖获得者：艾伦·佩利 ---- ALCOL语言和计算机科学的“催生者”   
 1985年计算机先驱奖获得者：伊万·萨瑟兰 ---- 计算机图形学之父   
 1985年计算机先驱奖获得者：戴维·惠勒 ---- “子程序跳转”技术的发明者   
 1985年计算机先驱奖获得者：海因茨·泽玛奈克 ---- 吹拂“五月的微J-xL”(MAILUEFTERL)的奥地利计算机科学家   
 1986年计算机先驱奖获得者：卡斯伯特·赫德 ---- IBM创计算机产业之初的功臣   
 1986年计算机先驱奖获得者：彼得·诺尔 ---- 从天文学家到计算机科学家   
 1986年计算机先驱奖获得者：詹姆士·波默林 ---- IAS和HARVEST计算机的首席工程师   
 1986年计算机先驱奖获得者：范·维京格尔藤 ---- W文法和A1gol 68的创始人   
 1987年计算机先驱奖获得者：罗伯特·埃弗莱特 ---- Whirlwind的首席工程师   
 1987年计算机先驱奖获得者：雷诺德·约翰逊 ---- 磁盘存储系统RAMAC的发明人   
 1987年计算机先驱奖获得者：阿瑟·塞缪尔 ---- “机器学习之父”   
 1987年计算机先驱奖获得者：尼克劳斯·沃思 ---- PASCAL之父及结构化程序设计的首创者   
 1988年计算机先驱奖获得者：弗里德里希·鲍尔 ---- “堆栈”概念的首创者   
 1988年计算机先驱奖获得者:马西安·霍夫 ---- Intel微处理器芯片体系结构的发明  
  1989年计算机先驱奖获得者：约翰·科克 ---- RISC概念的首创者   
 1989年计算机先驱奖获得者：拉尔夫·帕尔默 ---- 率先采用电子电路的IBM 604穿孔卡片计算器的设计者   
 1989年计算机先驱奖获得者：米娜·李斯和她在0NR的三位同事 ---- 早期计算机研发的组织者和促进者   
 1989年计算机先驱奖获得者：詹姆士·威登海姆  ---- 磁带机高速输入／输出机构的发明人   
 1990年计算机先驱奖获得者：维纳·布赫霍尔兹 ---- “Byte”的发明者   
 1990年计算机先驱奖获得者：查尔斯·霍尔 ---- 从QUICKSORT、CASE到程序设计语言程序设计语言的公理化   
 1991年计算机先驱奖获得者：罗伯特·伊万斯 ---- IBM 360之父   
 1991年计算机先驱奖获得者：罗伯特·弗洛伊德 ---- 前后断言法的创始人   
 1991年计算机先驱奖获得者：托玛斯·库尔泽 ---- BASIC语言的发明人之一   
 1992年计算机先驱奖获得者：斯蒂芬·邓维尔 ---- STRETCH项目的领导人   
 1992年计算机先驱奖获得者：道格拉斯·恩格尔巴特 ---- 鼠标器的发明人和超文本研究的先驱   
 1993年计算机先驱奖获得者：艾利希·布洛赫 ---- IBM／360的又一位功臣   
 1993年计算机先驱奖获得者：杰克·基尔比 ---- 集成电路和手持计算机的发明者   
 1993年计算机先驱奖获得者：威利斯·韦阿 ---- JOHNNIAL的主设计师   
 1994年计算机先驱奖获得者：格里特·勃洛夫 ---- IBM／360体系结构的主要定义者   
 1994年计算机先驱奖获得者：哈兰·米尔斯 ---- 软件工程的先驱   
 1994年计算机先驱奖获得者：丹尼斯·里奇 ---- C和UNⅨ的发明者之一   
 1994年计算机先驱奖获得者：肯尼思·汤普森 ---- C和UNIX的发明者之一   
 1995年计算机先驱奖获得者：盖拉特·埃斯特林 ---- 大有前途的“可重构系统”的首创者   
 1995年计算机先驱奖获得者：巴特勒·兰普森 ---- 从A1to系统的首府科学家到微软的首席技术官   
 1995年计算机先驱奖获得者：马文·明斯基 ---- “人工智能之父”和框架理论的创立者   
 1995年计算机先驱奖获得者：肯尼思·奥尔森 ---- 敢向“蓝色巨人”IBM挑战的DEC创始人   
 1996年计算机先驱奖获得者：安琪尔·安格鲁夫 ---- 保加利亚的计算机先驱   
 1996年计算机先驱奖获得者：理查德·克利平格尔 ---- 把ENIAC改造成存储程序式计算机的数学家   
 1996年计算机先驱奖获得者：诺贝尔·弗里斯塔基 ---- 斯洛伐克的计算机先驱   
 1996年计算机先驱奖获得者：维克多·格罗希柯夫 ---- 乌克兰的计算机先驱   
 1996年计算机先驱奖获得者：约瑟夫·格罗斯卡 ---- 沟通东西方的斯洛伐克学者   
 1996年计算机先驱奖获得者：尤里·霍勒杰斯 ---- 程序正确性测试方法的发明者    
 1996年计算机先驱奖获得者：鲁鲍米尔·伊里夫 ---- 保加利亚现代数学与计算机科学的奠基人   
 1996年计算机先驱奖获得者：罗伯特·凯恩 ---- TCP／IP协议之父   
 1996年计算机先驱奖获得者：莱斯兹劳·卡尔玛 ---- 匈牙利“波利雅学派”的中坚和计算机科学的先驱   
 1996年计算机先驱奖获得者：安东尼·克林斯基 ---- 波兰的计算机先驱   
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 1996年计算机先驱奖获得者：谢尔盖·列别杰夫 ---- 前苏联“计算机之父”   
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 1996年计算机先驱奖获得者：罗莫德·玛尔津斯基 ---- 波兰的计算机先驱   
 1996年计算机先驱奖获得者：格里戈尔·毛西尔 ---- 罗马尼亚的数学家和计算机先驱   
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 1996年计算机先驱奖获得者：阿尔诺斯·莱沙卡 ---- 爱沙尼亚进入计算机时代的奠基人   
 1996年计算机先驱奖获得者：安东尼·斯伏波达 ---- 世界上第一台容错计算机SAPO的设计者   
 1997年计算机先驱奖获得者：霍默·奥得菲德 ---- 将计算机用于银行的先驱者   
 1997年计算机先驱奖获得者：贝蒂·霍尔勃顿 ---- 开发出世界上第一个排序—合并程序的程序员   
 1998年计算机先驱奖获得者：欧文·古德 ---- 和图灵共过：Sr的英国计算机先驱   
 1999年计算机先驱奖获得者：赫伯特·弗里曼 ---- Sperry公司首台计算机的研制者和“链码”的发明人   
 2000年计算机先驱奖获得者：哈罗德·劳松 ---- 指针变量的发明人   
 2000年计算机先驱奖获得者：格奥尔基·洛帕托 ---- 明斯克计算机的总设计师   
 2000年计算机先驱奖获得者：根那蒂·斯托里阿洛夫  ---- 明斯克计算机软件的主要开发者

图灵奖获奖人员介绍 [回目录](http://www.techcn.com.cn/index.php?doc-view-130754.html" \l "section)

 1966年图灵奖获得者：艾伦·佩利  ----ALCOL语言和计算机科学的“催生者”   
 1967年图灵奖获得者：莫里斯·威尔克斯  ---- 世界上第一台存储程序式计算机EDSAC的研制者   
 1968年图灵奖获得者：理查德·哈明  —— 发明纠错码的大数学家和信息学专家    
 1969年图灵奖获得者：马文·明斯基   —— “人工智能之父”和框架理论的创立者   
 1970年图灵奖获得者：詹姆斯·威尔金森   ---- 数值分析专家和研制ACE计算机的功臣   
 1971年图灵奖获得者：约翰·麦卡锡  —— “人工智能之父”和LISP语言的发明人   
 1972年图灵奖获得者：埃德斯加·狄克斯特拉  —— 最先察觉“goto有害”的计算机科学大师   
 1973年图灵奖获得者：查尔斯·巴赫曼  —— “网状数据库之父”   
 1974年图灵奖获得者：唐纳德·克努特  —— 经典巨著《计算机程序设计的艺术》的年轻作者   
 1975年图灵奖获得者：赫伯特·西蒙和艾伦·纽厄尔   —— 人工智能符号主义学派的创始人   
 1976年图灵奖获得者：米凯尔·拉宾和达纳·斯科特  —— 非确定性有限状态自动机理论的开创者   
 1977年图灵奖获得者：约翰·巴克斯  —— FORTRAN和BNF的发明者   
 1978年图灵奖获得者：罗伯特·弗洛伊德  —— 前后断言法的创始人   
 1979年图灵奖获得者：肯尼思·艾弗森  —— 大器晚成的科学家，APL的发明人   
 1980年图灵奖获得者：查尔斯·霍尔  —— 从QUICKSORT、CASE到程序设计语言的公理化   
 1981年图灵奖获得者：埃德加·科德  ——  “关系数据库之父”   
 1982年图灵奖获得者：斯蒂芬·库克  —— NP完全性理论的奠基人   
 1983年图灵奖获得者：肯尼思·汤普森和丹尼斯·里奇  —— C和UNIX的发明者   
 1984年图灵奖获得者：尼克劳斯·沃思  —— PASCAL之父及结构化程序设计的首创者   
 1985年图灵奖获得者：理查德·卡普  —— 发明“分枝限界法”的三栖学者   
 1986年图灵奖获得者：约翰·霍普克洛夫特和罗伯特·陶尔扬  —— 硕果累累的算法设计大师   
 1987年图灵奖获得者：约翰·科克  —— RISC概念的首创者   
 1988年图灵奖获得者：伊万·萨瑟兰  —— 计算机图形学之父   
 1989年图灵奖获得者：威廉·卡亨  —— 浮点计算的先驱   
 1990年图灵奖获得者：费尔南多·考巴脱  ---- 实现分时系统的功臣   
 1991年图灵奖获得者：罗宾·米尔纳  —— 标准元语言ML的开发者   
 1992年图灵奖获得者：巴特勒·兰普森  —— 从Alto系统的首席科学家到微软的首席技术官   
 1993年图灵奖获得者：尤里斯·哈特马尼斯和理查德·斯特恩斯 —— 计算复杂性理论的主要奠基人   
 1994年图灵奖获得者：爱德华·费根鲍姆和劳伊·雷迪  —— 大型人工智能系统的开拓者   
 1995年图灵奖获得者：曼纽尔·布卢姆  —— 计算复杂性理论的主要奠基人之一   
 1996年图灵奖获得者：阿米尔·伯努利  —— 把时态逻辑引入计算机科学   
 1997年图灵奖获得者：道格拉斯·恩格尔巴特  —— 鼠标器的发明人和超文本研究的先驱   
 1998年图灵奖获得者：詹姆斯·格雷  —— 数据库技术和“事务处理”专家   
 1999年图灵奖获得者：弗雷德里克·布鲁克斯  —— IBM 360系列计算机的总设计师和总指挥   
 2000年图灵奖获得者：姚期智  —— 世界上首位获奖的亚裔计算机科学家   
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