



<Curriculum Vitae - 2011 Japan Prize Laureate>

**Dr. Dennis MacAlistair Ritchie**

**Distinguished Member of Technical Staff Emeritus, Bell Labs**

**Nationality:** United States of America

**Date of Birth:** September 9, 1941 (69 years old)

**Academic Degrees:**

1963 Bachelor in Physics and Applied Mathematics, Harvard University

1968 Ph.D. in Computer Science, Harvard University

**Professional Career:**

1967 Research staff, Bell Labs

1983 Fellow, Bell Labs

1990 Head, System Software Department

2007 Retired, Bell Labs

**Affiliation:**

Bell Labs, Alcatel-Lucent Inc.

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**Major Publications:**

1. D. M. Ritchie and K. Thompson, *The UNIX Time-Sharing System*, Communications of the ACM, Vol. 17, No. 7, pp. 365-375, 1974.
2. K. Thompson and D. M. Ritchie, *UNIX Programmer's Manual*, Sixth Edition, Bell Laboratories, 1975.
3. D. M. Ritchie, B. W. Kernighan and M. E. Lesk, *The C Programming Language*, Computer science technical report, No. 31, Bell Laboratories, 1975.
4. D. M. Ritchie, *UNIX Time-Sharing System: A Retrospective*, Proceedings of Tenth Hawaii International Conference on System Science, 1977, (Also in Bell System Technical Journal, Vol. 57, No. 6, pp. 1947-1969, 1978).
5. D. M. Ritchie, S. C. Johnson, M. E. Lesk and B. W. Kernighan, *UNIX Time-Sharing System: The C Programming Language*, Bell System Technical Journal, Vol. 57, No. 6, pp. 1991-2019, 1978.
6. D. M. Ritchie, *The Evolution of the Unix Time-Sharing System*, Proceedings of a Symposium on Language Design and Programming Methodology, pp. 25-36, 1979, (Also in AT&T Bell Laboratories Technical Journal, Vol. 63, No. 6 Part 2, pp. 1577-1593, 1984).
7. D. M. Ritchie and K. Thompson, *The UNIX Time-Sharing System*, Communications of the ACM, Vol. 26, No. 1, pp. 84-89, 1983.
8. D. M. Ritchie, *A Stream Input-Output System*, AT&T Bell Laboratories Technical Journal, Vol. 63, No. 8 Part 2, pp. 1897-1910, 1984.
9. D. M. Ritchie, *A Guest Facility for Unicos*, Proceedings of USENIX UNIX and Supercomputers Workshop, pp. 19-24, 1988.
10. D. M. Ritchie, *The Development of the C Programming Language*, Proceedings of ACM History of Programming Languages II, 1993.

**Major Honors:**

ACM Award for the outstanding paper (1974)

IEEE Emanuel R. Piore Award (1982)

Association for Computing Machinery, ACM. Turing Award (1983)

NEC, C&C Award (1989)

IEEE Richard W. Hamming Medal (1990)

US National Medal of Technology and Innovation for the development of UNIX (1998)

Industrial Research Institute (IRI) Achievement Award (2005)

**Membership:**

Member, US National Academy of Engineering (1988)