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Pioneers in Computing

Use the clues to find the last names of famous Computer Science pioneers

CoffeeART by
Amy Whitaker
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Across

- 2 First Turing Award
- 7 Designed the Acorn Micro-Computer and the ARM instruction set
- 8 Calculated trajectories, launch windows, and emergency back-up return paths for NASA
- 10 bNf
- 12 Defined the tree-adjointing grammar formalism
- 13 Seminal work in compilers, code optimization, and parallelization; Turing Award winner
- 14 Computer mouse
- 16 WWW
- 19 Ruby, MINASWA
- 21 and, or, not
- 22 COBOL
- 23 SIMULA 67
- 26 Analytical Engine
- 27 LATEX
- 28 Lambda Calculus
- 30 Pioneer in distributed computing, co-developer of a famous algorithm with Lamport
- 31 Father of theoretical computer science
- 33 Pioneer in data structures; co-author of Fundamentals of Computer Algorithms

Down

- 1 Co-creator of C and UNIX; R of K&R C
- 3 Semaphores but no GOTOs
- 4 Co-author of the Dragon Book
- 5 Co-creator of C and UNIX
- 6 Co-developer of Smalltalk-80
- 9 Formula Translation
- 11 Stored-program architecture named for him
- 15 Communicating Sequential Processes (CSP) and Quicksort
- 17 First programmer
- 18 Invented the spanning-tree protocol (STP)
- 19 (())
- 20 Invented computerized telephone switching
- 24 Started the GNOME, Mono, and Xamarin projects
- 25 ENIAC
- 29 Big O and TeX
- 30 Started revolution in VLSI with Mead and invented generalized dynamic instruction handling
- 32 Pascal, Modula-2 and Oberon

Across: 2 Perlis; 7 Wilson; 8 Johnson; 10 Naur; 12 Joshi; 13 Allen; 14 Engelbart; 16 Berners-Lee; 19 Matsumoto; 21 Booler; 22 Hopper; 23 Nygaard; 26 Babbage; 27 Lamport; 28 Church; 30 Chandy; 31 Turing; 32 Sahn
Down: 1 Ritchie; 3 Dijkstra; 4 Sethi; 5 Thompson; 6 Goldberger; 9 Backus; 11 vonNeumann; 15 Hoare; 17 Lovelace; 18 Perlman; 19 McCarthy; 20 Hoover; 24 Delcaza; 25 Mauchly; 29 Knuth; 30 Conway; 32 Wirth

Answers