Jeffrey Ullman
Stanford Warren Ascherman Professor of Engineering, Emeritus
Computer Science

Bio

BIO
Jeff Ullman is the Stanford W. Ascherman Professor of Engineering (Emeritus) in the Department of Computer Science at Stanford and CEO of Gradiance Corp. He received the B.S. degree from Columbia University in 1963 and the PhD from Princeton in 1966. Prior to his appointment at Stanford in 1979, he was a member of the technical staff of Bell Laboratories from 1966-1969, and on the faculty of Princeton University between 1969 and 1979. From 1990-1994, he was chair of the Stanford Computer Science Department. Ullman was elected to the National Academy of Engineering in 1989, the American Academy of Arts and Sciences in 2012, and has held Guggenheim and Einstein Fellowships. He has received the Sigmod Contributions Award (1996), the ACM Karl V. Karlstrom Outstanding Educator Award (1998), the Knuth Prize (2000), the Sigmod E. F. Codd Innovations award (2006), the IEEE von Neumann medal (2010), and the NEC C&C Foundation Prize (2017). He is the author of 16 books, including books on database systems, compilers, automata theory, and algorithms.

ACADEMIC APPOINTMENTS
• Emeritus Faculty, Acad Council, Computer Science

Teaching

COURSES
2021-22
• Program Analysis and Optimizations: CS 243 (Spr)

2020-21
• Bridging Policy and Tech Through Design: CS 184, PUBLPOL 170 (Spr)
Publications

PUBLICATIONS

• Scaling Cryptographic Techniques by Exploiting Data Sensitivity at a Public Cloud
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• Partitioned Data Security on Outsourced Sensitive and Non-sensitive Data
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• SharesSkew: An algorithm to handle skew for joins in MapReduce INFORMATION SYSTEMS
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• Assignment Problems of Different-Sized Inputs in MapReduce ACM TRANSACTIONS ON KNOWLEDGE DISCOVERY FROM DATA
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• Cluster Computing, Recursion and Datalog 1st International Workshop on Datalog Reloaded (Datalog)
  Afrati, F. N., Borkar, V., Carey, M., Polyzotis, N., Ullman, J. D.
  SPRINGER 2011: 120–144
• Using views to generate efficient evaluation plans for queries *JOURNAL OF COMPUTER AND SYSTEM SCIENCES*
  Afrati, F. N., Li, C., Ullman, J. D.
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• The Lowell database - Research self assessment *COMMUNICATIONS OF THE ACM*
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LECTURE NOTES IN COMPUTER SCIENCE

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ACM TRANSACTIONS ON DATABASE SYSTEMS

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- **THE THEORY OF FUNCTIONAL AND TEMPLATE DEPENDENCIES** *THEORETICAL COMPUTER SCIENCE*
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