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 C&CFoundation 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
2018-19
- Project in Mining Massive Data Sets: CS 341 (Spr)

2016-17
- Mining Massive Data Sets: CS 246 (Win)
- Project in Mining Massive Data Sets: CS 341 (Spr)
2015-16

- Mining Massive Data Sets: CS 246 (Win)
- Project in Mining Massive Data Sets: CS 341 (Spr)

STANFORD ADVISEES

Master's Program Advisor
Sumit Minocha, Indira Puri, John Solitario, Jason Sullivan, Marcos Torres, Anton de Leon

Publications

PUBLICATIONS

- SharesSkew: An algorithm to handle skew for joins in MapReduce INFORMATION SYSTEMS
  Afrati, F. N., Stasinopoulos, N., Ullman, J. D., Vassilakopoulos, A.
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- Computing marginals using MapReduce JOURNAL OF COMPUTER AND SYSTEM SCIENCES
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- Efficient and Private Approximations of Distributed Databases Calculations
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- Experiments as Research Validation: Have We Gone Too Far? COMMUNICATIONS OF THE ACM
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- Optimizing Multiway Joins in a Map-Reduce Environment IEEE TRANSACTIONS ON KNOWLEDGE AND DATA ENGINEERING
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- Using views to generate efficient evaluation plans for queries JOURNAL OF COMPUTER AND SYSTEM SCIENCES
  Afrati, F. N., Li, C., Ullman, J. D.
  2007; 73 (5): 703-724

- The Lowell database - Research self assessment COMMUNICATIONS OF THE ACM
  2005; 48 (5): 111-118

- Querying websites using compact skeletons 20th Symposium on Principles of Database Systems
  Rajaraman, A., Ullman, J. D.
  ACADEMIC PRESS INC ELSEVIER SCIENCE.2003: 809–51

- A survey of new directions in database systems 8th International Conference on Database Systems for Advanced Applications
  Ullman, J. D.
  IEEE COMPUTER SOC.2003: 3–3

- Generating efficient plans for queries using views ACM SIGMOD International Conference on Management of Data
  Afrati, F. N., Li, C., ULLMAN, J. D.
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  ULLMAN, J. D.
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NODE LISTINGS FOR REDUCIBLE FLOW GRAPHS  
Aho, A. V., ULLMAN, J. D.  
1976; 13 (3): 286-299

BOUNDS ON COMPLEXITY OF LONGEST COMMON SUBSEQUENCE PROBLEM  
Aho, A. V., Hirschberg, D. S., ULLMAN, J. D.  
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