

Welcome

Seminar Series of the Department of Computer Science Electrical Engineering
Presents

The State of the Art of Integer Sorting

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Abstract

In this talk we will review breakthrough techniques discovered by researcher in the design of algorithms for integer sorting, discuss about the phenomenon that integer sorting separates itself from comparison sorting, give the state of the art of integer sorting, point out open problems and future directions in integer sorting. The gap between lower and upper bounds for integer sorting is not big. However, bridging this gap requires renewed thinking and unusual approaches.

Bio: Yijie Han received his BA from University of Science and Technology of China, MA and Ph.D. from Duke University. He has worked at University of Kentucky, Hong Kong University, and Electronic Data Systems Inc. Since 1999 he joined University of Missouri at Kansas City. His research is mainly in algorithms area, including sequential and parallel algorithms, graph algorithms, computational robotics and computational geometry. His work is cited in the "Introduction to Algorithms" textbook authored by professors at MIT.