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Serge Plotkin

Associate Professor of Computer Science, Emeritus

Bio

BIO

Plotkin's focus is on optimization problems that are encountered in the context of design, management, and maintenance of broadband communication networks. Currently his main effort in this area is concentrated on development of algorithms for network topology design, routing, capacity sizing, server placement, and fair resource allocation. His goal is to develop both offline strategies that can be used during network design stage, as well as online strategies that can be applied to optimize existing network infrastructure.

ACADEMIC APPOINTMENTS

- Emeritus Faculty, Acad Council, Computer Science

PROFESSIONAL EDUCATION

- PhD, MIT (1988)

Publications

PUBLICATIONS

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- **Approximate majorization and fair online load balancing** *12th Annual ACM-SIAM Symposium on Discrete Algorithms*
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- **A sublinear parallel algorithm for stable matching** *THEORETICAL COMPUTER SCIENCE*
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