

**Sameh A Fakhouri**  
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### Education:

New York University, New York, NY (M.S. Computer Science)

Columbia University, New York, NY (B.S. Electrical Engineering)

### Biography

Worked at IBM T.J. Watson Research Center with a focus on research and development of a parallel database and distributed systems. Worked on the development of a high-speed Transaction Processing Facility at IBM with a focus on file caching in a parallel processing environment. Taught high school Science and Mathematics in the New York City Department of Education, obtaining a Mathematics 7-12, Initial Certificate. Currently, I am a Lecturer and Internship Program Coordinator in the Department of Computer Science at Lehman College.

### Teaching Interests:

CIS-331: Network Introduction, CMP-338: Data Structures and Algorithms I, CMP-430: iOS Mobile Programming, CMP-326: Programming Methods II, CMP-167: Programming Methods I.

### Publications:

Eilam, T., Appleby, K., Breh, J., Breiter, G., Daur, H., Fakhouri, S., Hunt, G., Lu, T., Mummert, L., Miller, S., Pershing, J., Wagner, H. ***Using a Computing Utility Framework to Develop Utility Systems***. IBM Systems Journal, Volume 43, Number 1, 2004.

Fakhouri, S., Goldszmidt, G., Gupta, I., Kalantar, M., Pershing, J. ***GulfStream - A System for Dynamic Topology Management in Multi-Domain Server Farms*** in *IEEE International Conference on Cluster Computing (Cluster 2001)*, October 2001

Appleby, K. Fakhouri, S. Fong, L. Goldszmidt, G. Kalantar, M. Krishnakumar, S. Pazel, D.P. Pershing, J. Rochwerger, B. ***Océano SLA based management of a computing utility***. Proceedings of 2001 International Symposium on Integrated Network Management. Page 14-18. May 2001

Sameh Fakhouri, [William F. Jerome](#), [Vijay K. Naik](#), [Ajay Raina](#), [Pradeep Varma](#): ***Active Middleware Services in a Decision Support System for Managing Highly Available Distributed Resources***. [Middleware 2000](#): 349-371

<http://dblp.uni-trier.de/db/indices/a-tree/j/Jahanian@Farnam.html> Farnam Jahanian, Sameh Fakhouri, [Ragunathan Rajkumar](#): ***Processor Group Membership Protocols: Specification, Design, and Implementation***. [Symposium on Reliable Distributed Systems 1993](#): 2-11

## Patents

Fakhouri, S., Jerome, W., Kummamuru, K., Naik, V., Pershing, Jr., J., Raina, A., Varma, P., Badovinatz, P., Kumar, V. **MANAGING A CLUSTER OF NETWORKED RESOURCES AND RESOURCE GROUPS USING RULE-BASED CONSTRAINTS IN A SCALABLE CLUSTERING ENVIRONMENT**, US 7,464,147. Issued December 9, 2008.

Knop, F., Jurgensen, D., Chang, C.S., Fakhouri, S., Race, T. **TOPOLOGY PROPAGATION IN A DISTRIBUTED COMPUTING ENVIRONMENT WITH NO TOPOLOGY MESSAGE TRAFFIC IN STEADY STATE**, US 6,885,644 B1. Issued April 26, 2005

Chandra, T., Fakhouri, S., Fong, L., Jerome, W., Krishnakumar, S., Naik, V., Pershing, J., Turek, J. **CONTROLLING A NUMBER OF INSTANCES OF AN APPLICATION RUNNING IN A COMPUTING ENVIRONMENT**, US 6,782,408 B1. Issued August 24, 2004

Chandra, T., Fakhouri, S., Fong, L., Jerome, W., Krishnakumar, S., Naik, V., Pershing, J. **METHOD, SYSTEM AND PROGRAM PRODUCTS FOR MANAGING THE CHECKPOINTING/RESTARTING OF RESOURCES OF A COMPUTING ENVIRONMENT**, US 6,594,779 B1. Issued July 15, 2003