

Ahmed Mansy

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Education

- Ph.D student in Computer Science** Fall 2006 - present
GEORGIA INSTITUTE OF TECHNOLOGY Atlanta, GA
Advisors : Prof. Mostafa Ammar and Prof. Ellen Zegura
- M.S in Mathematics** 2004 - 2006
ALEXANDRIA UNIVERSITY Alexandria, Egypt
Thesis title : Discrete-Time Retrieal Queues with Balking Customers
- B.Sc in Computer Science and Automatic Control** 1997 - 2002
FACULTY OF ENGINEERING, ALEXANDRIA UNIVERSITY Alexandria, Egypt

Professional Experience

- Research Assistant** Spring 2007 - Present
Networking and Telecommunications Group, Georgia Tech Atlanta, GA
I am a member of the DTN group and my research is in the area of challenged networks. In our previous work, I designed a protocol to transfer data reliably between two roadside stations by using the moving vehicles between them as data relays. We also introduced different data reliability schemes and evaluated each of them. In my current work, we are trying to present some formal mechanism for classifying mobile wireless networks.
- Summer Intern** 05/2007 - 08/2007
SRI International Menlo Park, CA
Worked on the design and implementation of TinyADS; a high-level, data-centric distributed programming middleware for sensor networks, based on the tuple space model. We also presented a prototype implementation of TinyADS on TinyOS and mica2 motes.
- Research Assistant** 09/2006 - 12/2006
Networking and Telecommunications Group, Georgia Tech Atlanta, GA
Worked on investigating some problems that result from doing network analysis based on a previous estimate of the traffic matrix.
- Software Engineer** 10/2004 - 07/2006
Institute for Disabilities Research and Training, Maryland, USA (outsourcing) Alexandria, Egypt
Participated in developing a scripting language to help developers at IDRT to develop interactive games for children with disabilities. The new script language is intended to make the process of developing new games easy and flexible. Visual C++ was used as the main development environment.

Software Engineer

Egyptian Software Development (EGSD)

09/2003 - 09/2004
Alexandria, Egypt

Worked as a senior application developer and as a team leader. Our goal was to develop Windows applications directed to the German market. One of the applications that was assigned to my team was a Quality Assurance Manager (QAMan) which is used to help technicians in some boards factories in Germany to maintain the Quality Assurance process easily and more efficiently. The development environment was .NET C# and SQL Server 2000.

Teaching Experience

Teaching Assistant

Taught several subjects like Probability Theory, Statistics, Numerical Analysis and Stochastic Processes.

09/2003 - 07/2006

Refereed Publications

1. A. Mansy, M. Ammar and E.-Zegura, "Reliable Roadside-to-Roadside Data Transfer Using Vehicular Traffic," *Proceedings of The International Workshop on Mobile Vehicular Networks (MoVeNet)*, Pisa, Italy, October 2007.
2. A.AboulHassan, S.Rabia and A.Mansy, "Generating Function Analysis for Discrete Time Stochastic Dynamical System" In *Proceedings of International Conference on Mathematical Analysis and its Applications (ICMAA)*, Assiut, Egypt, January 2006.

Non-refereed Publications

3. A. Mansy, G. Bhanage and S. Cheung "TinyADS: Distributed Active Dataspaces in Sensor Networks," *Technical Report, SRI International*.

References

Prof. Mostafa Ammar

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Prof. Ellen Zegura

Professor, Associate Dean, and Division Chair
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