

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.Sc in Mathematics** 2004 - 2006
ALEXANDRIA UNIVERSITY Alexandria, Egypt
Thesis title : Discrete-Time Retrieval 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** 09/2007 - Present
Networking and Telecommunications Group, Georgia Tech Atlanta, GA
I am a member of the DTN (Disruption Tolerant Networking) group. My research is in the area of challenged networks. Previously, we have designed protocols to transfer data reliably between roadside stations. Recently, we have been working on techniques for optimizing ferry route control to serve mobile nodes.
- 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 - 04/2007
Networking and Telecommunications Group, Georgia Tech Atlanta, GA
Investigated some problems that arise from performing network analysis based on previous estimates of the traffic matrix.
- Software Engineer** 10/2004 - 07/2006
Institute for Disabilities Research and Training MD
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

09/2003 - 07/2006

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

Publications

1. Mukarram Bin Tariq, Ahmed Mansy, Nick Feamester and Mostafa Ammar “Measuring VLAN-Induced Dependencies on a Campus Network,” *ACM Internet Measurement Conference (IMC'09)*, 2009.
2. Dimitrios Antonellis, Ahmed Mansy, Konstantinos Psounis and Mostafa Ammar, “Towards Distributed Network Classification for Mobile Ad hoc Networks,” The Fourth International Wireless Internet Conference (WICON), Hawaii, USA, 2008 (Invited paper) .
3. Ahmed Mansy, Mostafa Ammar and Ellen Zegura, “Reliable Roadside-to-Roadside Data Transfer Using Vehicular Traffic,” *Proceedings of The International Workshop on Mobile Vehicular Networks (MoVeNet)*, Pisa, Italy, October 2007.
4. Ahmed Mansy and Constantine Dovrolis, “The Mythical Traffic Matrix” WIRED workshop, Atlanta, USA, 2006 (Position paper).
5. Ahmed Mansy, AbdelKarim AboulHassan and Serif Rabia, “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.

Under submission

6. Ahmed Mansy, Mostafa Ammar, and Ellen Zegura “Deficit Round-Robin Based Message Ferry Routing,” *Under submission*

References

Prof. Mostafa Ammar

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Prof. Ellen Zegura

Professor, Associate Dean, and Division Chair
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