

# Shenoda Guirguis

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<b>Education</b>	<b>Ph.D.</b> in Computer Science	<b>University of Pittsburgh</b>	2011
	Dissertation Title: "Scalable Processing of Aggregate Continuous Queries", GPA: 3.792		
	<b>M.Sc.</b> in Computer Science	<b>University of Pittsburgh</b>	2010
	Project Title: "Adaptive Scheduling of Web Database Transactions"		
	<b>M.Sc.</b> in Computer Science	<b>Alexandria University</b>	2006
	Thesis Title: "Predicting Itemsets' Support of Association Rules Mining", GPA: 3.75		
	<b>B.Eng.</b> in Computers Sc. & Eng.	<b>Alexandria University</b>	2001
	Degree: Outstanding, Graduated with degree of honor, Ranked 6th. GPA 3.78		

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## Awards & Honors

- Best Research Award on 10<sup>th</sup> Annual CS Day, March 2010.
  - Andrew Mellon Predoctoral Fellowship (2010-2011). Awarded annually to doctoral students of exceptional ability and promise.
  - NSF travel fellowship to attend ICDE 2010, Jan 2010.
  - Runner-up Poster on 9<sup>th</sup> Annual CS Day, March 2009.
  - Best Poster Award on 8<sup>th</sup> Annual CS Day, February 2008.
  - A&S Fellowship award, University of Pittsburgh, Spring 2006.
  - Degree of Honor - Computers & Automatic Control Dept., Alexandria University, July 2001.
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## Patents

- Shenoda Guirguis, Alok Pareek, Steve Wilkes. System and Method for real-time transactional data obfuscation. Application No. US 61/369,000, filed 7/ 29/2010. (pending)
  - Hyun Jin Moon, Shenoda Guirguis, Yun Chi, Junichi Tatemura, V. Hakan Hacigumus. Multi-Tenant Database Management for SLA Profit Maximization. Application No. US 12/985,057, filed 1/5/2011 (pending)
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## Computer Skills

- Programming languages: C, C++, Java, Visual C++, C#, Visual Basic.
  - Web tools : PHP, JavaScript, Java Applets, JavaBeans, Srvlets, ASP, ASP.NET, HTML, JSP, CGI.
  - SQL server, MySQL, Oracle8i, Jdeveloper, , MS Visual Studio6.
  - Databases : Oracle 8i, SQL Server, Object Oriented database, Object relational database.
  - OS : Redhat, DOS, UNIX Tru64, Solaris 8.0, Windows2003 Server.
  - Object oriented analysis and design.
  - Web servers : IIS, Apache, Java Web Server, Microsoft Personal web Server.
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## Research Experience

### Member of the ADMT Lab

CS Dept., University of Pittsburgh

- Since Summer 2006 – Current
- Involved in the AQSIOS project (<http://db.cs.pitt.edu/group/projects/aqsios>)
- Participated in implementing the group's streams' scheduling schemes, on top of STREAM (using C++).
- Working on scalable processing schemes of Continuous Queries (Implementation of simulator using C++ - eclipse).

**Research Internships** at NEC Research Lab (summer 2010) & GoldenGate/Oracle (summer 09 & 08).

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## Publications

### Journals

- Shi-Kuo Chang, Lei Zhao, **Shenoda Guirguis** and Rohit Kulkarni, "A Computation-Oriented Multimedia Data Streams Model for Content-Based Information Retrieval", *Multimedia Tools and Applications Journal*, Springer US, Sep. 2009.

### Conferences and Workshops

- **Shenoda Guirguis**, Panos K. Chrysanthis, Alexandros Labrinidis and Moahmed Saraf, "Three-level Processing of Multiple Aggregate Continuous Queries", Proc. of the 28th IEEE International Conference on Data Engineering (*ICDE 2012*), Washington DC, April 2012.
  - **Shenoda Guirguis**, Mohamed Sharaf, Panos K. Chrysanthis and Alexandros Labrinidis, "Optimized Processing of Multiple Aggregate Continuous Queries", Proceedings of 20<sup>th</sup> ACM Conference on Information and Knowledge Management (*CIKM 2011*), Glasgow, UK, October 24-28, 2011. **Nominated for Best Paper award.**
  - **Shenoda Guirguis** and Alok Pareek, "BronzeGate: Real-time Transactional Data Obfuscation for GoldenGate", Proceedings of the 13<sup>th</sup> International Conference on Extending Database Technology (*EDBT 2010*) – Industrial Track, Lausanne, Switzerland, March 22-26, 2010
  - Lory Al Moakar, Panos K. Chrysanthis, Christine Chung, **Shenoda Guirguis**<sup>\*</sup>, Alexandros Labrinidis, Panayiotis Neophytou and Kirk Pruhs, "Admission Control Mechanisms for Continuous Queries in the Cloud", Proceedings of 26th IEEE Int'l Conference on Data Engineering (*ICDE 2010*), Los Anglos, CA, USA, Mar 1-6, 2010. **Authors are listed in Alphabetical Order.**
  - **Shenoda Guirguis**, Mohamed Sharaf, Panos Chrysanthis, Alexandros Labrinidis, and Kirk Pruhs, "Adaptive Scheduling of Web Transactions", Proceedings of 25th IEEE Int'l Conference on Data Engineering (*ICDE 2009*), Shanghai, China, Mar 29-April 4 2009.
  - **Shenoda Guirguis**, Panayiotis Neophytou, Panos K. Chrysanthis, Alexandros Labrinidis and Kirk Pruhs, "Expanding Continuous Queries Scope for Better Event Detection", SSPC Wrokshop, St. Louis, Missouri, March 2009.
  - **Shenoda Guirguis**, Rohit Kulkarni and S. K. Chang, "A Multimedia Data Streams Model for Content-Based Information Retrieval", Proceedings of 08 International Conference on Distributed Multimedia Systems (*DMS 08*), Boston, USA, Sept. 4-6, 2008.
  - Mohamed Sharaf, **Shenoda Guirguis**, Alexandros Labrinidis, Kirk Pruhs, and Panos Chrysanthis, Poster Session: "ASETS: A Self-Managing Transaction Scheduler", Self Managing Databases Workshop (*SMDB 08*), 2008.
  - **Shenoda Guirguis**, Khalil M. Ahmed, Nagwa M. El-Makky, and Alaaeldin M. Hafez. "Mining the future: Predicting itemsets' support of association rules mining". In Foundations of Data Mining Workshop (*FDM 06*), 2006, 2006.
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**Languages**

- English: Excellent communication skills.
- Greek & French: good/fair reading, weak writing, fair speaking.
- Egyptian: Native.

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**Interests**

- Soccer: Founder & X-President (for 3 years) of CS-Soccer Student Club (founded the first soccer team for CS Dept and organized Grassroot event).
- Handwork: carpentry & electric works.
- Reading & classical music.