

# Volkan Mujdat Tiryaki

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- EDUCATION**
- PhD Student in the Department of Electrical and Computer Engineering, Michigan State University**  
Graduation date: N/A.
- ELS Language Centers, Saint Joseph's University**  
Graduation date: N/A. GPA: 3.50/4.0
- English Language Institute, University of Alabama**  
Graduation date: October 2008 GPA: 3.50/4.0
- PhD Student in the Department of Industrial Engineering, University of Istanbul**  
Graduation Date: N/A. GPA: 3.38/4.0
- Master of Science in Industrial Engineering, University of Istanbul**  
Graduation Date: September 2006 GPA: 3.00/4.0  
Major: **Fuzzy Systems**
- Bachelor of Science in Electronics Engineering, University of Istanbul**  
Graduation Date: July 2003 GPA: 3.01/4.0  
Major: **Semiconductors, Communication.**

## EXPERIENCE

- February 2009* **The Electronic and Biological Nanostructures Laboratory, Michigan State University, Lansing, MI, USA**
- Training in Scanning Probe Recognition Microscopy.
- September 2004 – March 2008* **University of Istanbul, Institute of Science and Engineering, Research Assistant, Istanbul, Turkey**
- Research conducted in the area of neural networks, fuzzy systems and optimization.
- April 2004 – August 2004* **Smart Systems, Electronics Engineer, Istanbul, Turkey**
- Worked on home automation projects.
- August 2002 – September 2002* **Institute for Semiconductor Technology, Braunschweig Technical University, Intern, Braunschweig, Germany**
- Conducted experimental studies for BS thesis, titled “Etching of InP and InGaAs Masked InP Wafer.”
  - Dealt with mask aligner, evaporator, surface provider and MOVPE(Metal-organic vapor-phase-epitaxy.)
- July 2002* **Dataelektronik, Intern, Istanbul, Turkey**
- July 2001* **Deksar Multimedia ve Telekomunikasyon A.S., Intern, Istanbul, Turkey**

## COMPUTER EXPERIENCE

**Operating Environments:** Windows XP-Vista  
**Package Programs:** Matlab, C++, Electronics Workbench, EasyNN  
**Other Packages:** Microsoft Word, Microsoft PowerPoint, Microsoft Excel, Automod.

## LANGUAGE SKILLS

- Turkish (Native Language)
- English (IBT 97, GRE Quantitative 800, GRE Verbal 300, Analytical Writing 3.5)

## PUBLICATIONS

- Tiryaki, Volkan; Manisali, Ekrem, 2006, “Constraint programming approach for school time-tabling and an application” *The Operational Research/Industrial Engineering 2006 National Congress*, Kocaeli. (In Turkish)
- Tiryaki, Volkan; Turkan, Yusuf, 2005, “The selection of best associate country with analytical hierarchical process and neural networks”, *The Engineering Sciences Young Researchers' Congress*, Istanbul. (In Turkish)

## **HONORS & AWARDS**

- **General Directorate for Higher Education, Ministry of National Education of the Republic of Turkey, 2007**, fellowship for PhD studies in the USA.
- **Turkish Institution of Higher Education, 1999-2003**, scholarship for undergraduate studies, Ankara.
- **Finans Vakfi, 1999-2003**, scholarship for undergraduate studies, Istanbul.