

# Curriculum Vitae

Akın Delibaşı, Ph.D.

## *Personal Information & Contact*

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- **Born** Istanbul, November 24, 1979
- **Nationality** Republic of Turkey
- **Address** Yıldız Technical University, Department of Control and Automation Engineering, Barbaros Bulvarı, 34349, Beşiktaş/Istanbul/Turkey
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## *Employment*

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- **2010** – Assistant Professor  
Yıldız Technical University, Department of Control and Automation Engineering
- **2009 – 2010** Postdoctoral Fellow, LAAS - CNRS, Toulouse / France
- **2002 – 2010** Research & Teaching Assistant  
Yıldız Technical University, Department of Electrical Engineering, Chair of Control Systems
- **1997 – 2001** Computer Technology Advisor, Bimak LTD. ŞTI
- **Summer, 2000** Apprenticeship, Measurement and Control  
Topkapı Şişecam Sanayii A.Ş, Istanbul, Turkey
- **Summer, 1999** Apprenticeship, Maintenances of Electrical Equipment  
Topkapı Şişecam Sanayii A.Ş, Istanbul, Turkey

## *Education*

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- **Ph.D, 2009** Electrical Engineering, Yıldız Technical University, (**GPA:3.84/4**)  
**Supervisors:** Prof. Dr. Galip Cansever, Asst. Prof. İbrahim B. Küçükdemiral  
**Title:** Robust Control of LPV Systems with Saturating Actuators

- **Ms, 2004** Electrical Engineering, Yıldız Technical University, (**GPA:3.38/4**)  
**Supervisor:** Prof. Dr. Galip Cansever  
**Thesis Title:** Modelling and Inverse Dynamic Control of 3-DOF Anthropomorphic Robot Manipulator
- **Bc.S, 2001** Electrical Engineering, Yıldız Technical University, (**GPA:3.03/4**)  
**Supervisor:** Prof. Dr. Galip Cansever  
**Senior Thesis:** Three Phase AC Motor Control with Motorola MC68HC908MR32 MCU
- **High School, 1997** Hasan Polatkan High School, Istanbul, Turkey

## *Awards*

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- **Motorola Semiconductor Products Sector Flash Microcontroller Design Contest 2nd Prize**, Line Follower Robot
- **ABU Robocon 2004 Robot Contest Turkey Selection 3rd Prize, Technical Advisor of Startech**
- **XPLORE New-Automation Award 2005 international 3rd Prize**, 'A Novel Robotic Automation System'
- **2009 Fellowship Awards of The Scientific and Technological Research Council of Turkey**' Postdoctoral Fellowship'

## *Projects*

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- **Tübitak Project, 2008–2011** Mixed  $\mathcal{H}_\infty$ ,  $\mathcal{H}_2$  Guaranteed-Cost Control of Quarter Car Suspension System with Saturating Actuators.
- **Imsan Press. Turkey, 2007 –2007** The Production of threading machine.
- **University Research Fund, 2005 –2007** Trajectory Tracking of Manutec r15 Robot Arm Using Artificial Neural Networks, Fuzzy Logic and Sliding Mode Control.
- **Bureau Veritas Lab. Turkey, 2005 –2005** The Production of Vibration Tester and Drop Tester ( Complies with ISTA 1A, 1B)
- **Unilever Industry and Trade Turkish A.C., 2004 –2004** The Development of Hair Performance Tester Apparatus.
- **University Research Fund, 2003 – 2004** The Design of The Functional Path Maker Robot” Project no : 20-04-02-01.

## *Qualifications*

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- Certificate in C programming language (120 hours) (C & System Programmers Ass. Branch of Turkey) (Sept. 2000).
- Certificate in programming Twido, Micro, Premium PLCs - Magelis Operator Panels - ATV28 AC machine speed control applications (Schneider Training Center, Istanbul, 15/08/2003)
- Certificate in programming Omron PLCs and Motor Driver's (Omron Training Center, Istanbul, 2005)

- Certificate in programming Phoenix Contact PLCs 2005
- Certificate in programming Motorola CPU08, 2001

## *Area of Scientific Research*

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- Convex Optimization
- Linear Matrix Inequalities (LMI), Polynomial Matrix Inequalities (PMI)
- Linear Parameter Varying (LPV) and Gain-Scheduled control systems

## *Computer Skills*

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Proficiency on  $\LaTeX$ , MATLAB (Specially, LMI, Control,  $\mu$  Analysis and Synthesis, Yalmip, RTW, WinCon), Labview, Basic, Pascal, C, Assembly programming for Microchip and Freescale, Mathematica.

## *References*

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- **Prof. Dr. Galip Cansever**, Department of Electrical Engineering, Yildiz Technical University, Istanbul, Turkey.  
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Tel:+902122853579, E-mail: [goren@elk.itu.edu.tr](mailto:goren@elk.itu.edu.tr)
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