

CURRICULUM VITAE

- 1. Name Surname:** Başar Özkan
- 2. Date of Birth:** 19/9/1975
- 3. Department:** Mechanical Engineering
- 4. Education:**

Degree	Department	University	Year
Bachelor	Mechanical Engineering	Boğaziçi University	1997
Master	Mechanical Engineering	University of California-Davis	2001
Ph.D.	Mechanical Engineering	University of California-Davis	2005

- 5. Academic Titles:**

Title	Discipline	University	Year
Assistant Professor	System Dynamics and Control	Okan University	2008-Present
Associate Professor			
Full Professor			

- 6. Supervised Master and Ph.D. Thesis**

6.1 Title of Master Thesis

6.2 Dissertation Title:

7) Publications

7.1 International Refereed Journal Publications

1. Özkan, B. ve Margolis, D., 2008, "The Controller Output Observer: Estimation of Vehicle Tire Cornering and Normal Forces," ASME Journal of Dynamic Systems, Measurement, and Control, 130, Issue 6, November.

2. James, R., Ozkan, B., Ravani, B., 2006, "Mechanical Design of a Robotic System for Automatic Installation of Magnetic Markers on the Roadway," ASME Journal of Mechanical Design, Vol. 128, March, pp. 413-421.

7.2 International Conference Presentations & Proceedings

1. Ozkan, B., Margolis, D., 2007, "Estimation of Steering Rack Friction in an Automobile Using a Bond Graph Model," 2007 International Conference on Bond Graph Modeling and Simulation, Society for Computer Simulation, Jan. 15-17.

7.3 International Books / Chapters of Books

7.4 National Refereed Journal Publications

7.5 National Conference Presentations & Proceedings

7.6 National Books / Chapters of Books

7.7 Other Publications

8. Projects

1. Virtual Sensing Project

Project funded by French automobile manufacturer PSA-Peugeot-Citroen at the Department of Mechanical and Aeronautical Engineering, University of California, Davis.

2. Magnetic Marker Insertion Project

Project funded by California Department of Transportation at the Advanced Highway Maintenance & Construction Technology Research Center, University of California, Davis.

9. Administrative Tasks:

Department Head-Okan University-Department of Mechanical Engineering 2008-Present

10. Academic/Professional Memberships:

11. Awards

- B.S. with honors.
- Four time recipient of the Non-Resident Tuition Fellowship
University of California, Davis.

Patents:

1. Pengov, M., Margolis, D., Ozkan, B., Methode d'estimation en temps reel d'un effort avant et d'un effort arriere appliques par le sol a un vehicule (Estimation method in real time of a front and rear effort applied by the ground to the vehicle), Peugeot Citroen Automobiles SA, Patent Application # FRA 0553787.

2. Pengov, M., Margolis, D., Ozkan, B., Method for the real time estimation of normal and lateral tire forces applied by the ground to the vehicle, Peugeot Citroen Automobiles SA, Patent Application # EP 60301206 and Patent Application # US 11/608344.

3. Pengov, M., Margolis, D., Ozkan, B., Method for the real time estimation of steering rack force in electric power steering systems, Peugeot Citroen Automobiles SA, Patent Application # FRA 0655569.

4. Pengov, M., Margolis, D., Ozkan, B., Method for the real time estimation of electric motor torque in electric power steering systems, Peugeot Citroen Automobiles SA, Patent Application # FRA 0655566.