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Gökçe Nur Yıldırım

Home: Türkiye

Gender: Female **Date of birth:** 21/04/2000 **Nationality:** Turkish

EDUCATION & TRAINING

[03/09/2018 - 27/06/2022]

Bachelor's Degree of Mechanical Engineering

Gazi University

City: Ankara | **Country:** Türkiye | **Level in EQF:** 6

Matlab, Technical drawing, Machine Dynamics, SolidWorks

[30/01/2023 - 03/06/2026]

Master's Degree of Mechanical Engineering

Gazi University

City: Ankara | **Country:** Türkiye | **Final grade:** 3.76/4 GPA | **Level in EQF:** 7 | **Thesis:** STATE-DEPENDENT RICCATI EQUATION BASED CONTROL OF TRACTOR ACTIVE SUSPENSION SYSTEM WITH NONLINEAR SPRING AND DAMPER

Modern Control, Vehicle Dynamics, Machine Dynamics, Matlab, Research Skills, Simulink

[27/06/2026 - Current]

PhD Candidate of Mechanical Engineering

Gazi University

City: Ankara | **Country:** Türkiye | **Level in EQF:** 8

WORK EXPERIENCE

Başkent University

City: Ankara | **Country:** Türkiye

[11/10/2023 - Current]

University research assistant

Assisting professors' lectures such as Computer Aided Technical Drawing, Programming for Mechanical Engineering, Fundementals of Mechatronics, Machine Theories, System Dynamics and Control, etc.

SKILLS

MATLAB | modern control theory | Machine Dynamics | mechanical systems | Nonlinear Dynamics | create CAD drawings | 2D and 3D design software (Solidworks, AutoCad)

LANGUAGE SKILLS

Mother tongue(s): Turkish

Other language(s):

English

LISTENING: C2 **READING:** C2 **WRITING:** C2

SPOKEN PRODUCTION: B2 **SPOKEN INTERACTION:** B2

German

LISTENING: A2 **READING:** B1 **WRITING:** A2

SPOKEN PRODUCTION: A2 **SPOKEN INTERACTION:** A2

PUBLICATIONS

[2025] **Studies on modeling and control of suspension systems in tractors**

Reference: Yıldırım, G. N., & Kılıçaslan, S. (2025, December 17-19). Studies on modeling and control of suspension systems in tractors. Paper presented at the 4th International Symposium on Graduate Research (DEUISGR 2025), İzmir, Türkiye.
Authors: Gökçe Nur Yıldırım, Sinan Kılıçaslan | **Journal Name:** 4th International Symposium on Graduate Research (DEUISGR 2025)

[2026] **STATE-DEPENDENT RICCATI EQUATION BASED CONTROL OF TRACTOR ACTIVE SUSPENSION SYSTEM WITH NONLINEAR SPRING AND DAMPER**

Reference: Yıldırım, G. N. (2026). STATE-DEPENDENT RICCATI EQUATION BASED CONTROL OF TRACTOR ACTIVE SUSPENSION SYSTEM WITH NONLINEAR SPRING AND DAMPER [M.Sc. Thesis, Gazi University]. Advisor: Prof. Dr. Sinan Kılıçaslan.
Authors: Gökçe Nur Yıldırım | **Publisher:** Gazi University

[2026] **Comparative Analysis of PID And Degradation-Aware MPC Controllers for PEM Fuel Cell Systems**

Reference: Yıldırım, G. N. (2026, September 3-8). Comparative Analysis of PID And Degradation-Aware MPC Controllers for PEM Fuel Cell Systems. Submitted to the EU 10th International Conference on Health, Engineering and Applied Sciences, Tirana, 2026.
Authors: Gökçe Nur Yıldırım | **Journal Name:** EU 10th International Conference on Health, Engineering and Applied Sciences