

ÖZGEÇMİŞ

- 1. Adı Soyadı** : Vasfi ELDEM
- 2. Doğum Tarihi** :
- 3. Unvanı** : Prof.Dr.
- 4. Öğrenim Durumu** : Doktora
- 5. Çalıştığı Kurum** : İstanbul Okan Üniversitesi

Derece	Alan	Üniversite	Yıl
Lisans	KİMYA BÖLÜMÜ	İSTANBUL TEKNİK ÜNİVERSİTESİ	1972
Yüksek Lisans	KİMYA BÖLÜMÜ	BOĞAZIÇI ÜNİVERSİTESİ	1974
Doktora		Brown University, AMERİKA BİRLEŞİK DEVLETLERİ	1978

5. Akademik Unvanlar

- Yardımcı Doçentlik Tarihi :
Doçentlik Tarihi :
Profesörlük Tarihi :

6. Yönetilen Yüksek Lisans ve Doktora Tezleri

6.1. Yüksek Lisans Tezleri

6.2. Doktora Tezleri

ŞEYHAN ŞAHİN, The structural properties of linear matrix inequalities, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik ve Fen Bilimleri Enstitüsü, 2011.

GÖKHAN ŞAHAN, Stability of bimodal systems, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik ve Fen Bilimleri Enstitüsü, 2013.

İŞİL ÖNER, Stability of bimodal systems in R3, Gebze Yüksek Teknoloji Enstitüsü, Mühendislik ve Fen Bilimleri Enstitüsü, 2014.

7. Yayınlar

7.1. Uluslararası hakemli dergilerde yayınlanan makaleler

ELDEM VASFİ, Wolovich William A., Parameter insensetive pole assignment for scalar input sysytems, IEEE Transactions on Automatic Control, 1983.

Başer Ulviye, ELDEM VASFİ, A new set of necessary and sufficient conditions for a system to be prime, IEEE Transaction on Automatic Control, 1984.

ÖZGÜLER ARİF BÜLENT, ELDEM VASFİ, Disturbance decoupling problems via dynamic output-feedback, IEEE Transactions on Automatic Control, 1985.

SELBUZ Hasan, ELDEM VASFİ, Stabilizing and deadbeat properties of receding-horizon controllers, International Journal of Control, 1987.

ELDEM VASFİ, ÖZGÜLER ARİF BÜLENT, Disturbance decoupling problems by dynamic output-feedback- A characterization of all solutions and fixed modes, SIAM JOURNAL ON CONTROL AND OPTIMIZATION, 1988.

ELDEM VASFİ, Yıldızbayrak Nihal, Parameter and structure identification of linear multivariable systems, Automatica, 1988.

SELBUZ Hasan, ELDEM VASFİ, Kleinmans controller- A further stabilization property, International Journal of Control, 1988.

ÖZGÜLER ARİF BÜLENT, ELDEM VASFİ, On diagonalization by dynamic output-feedback, Kybernetika, 1989.

ÖZGÜLER ARİF BÜLENT, ELDEM VASFİ, On diagonalization by dynamic output-feedback, Kybernetika, 1989.

ÖZGÜLER ARİF BÜLENT, ELDEM VASFİ, Set of open-loop block-diagonalizers of transfer-matrices, International Journal of Control, 1989.

ELDEM VASFİ, ÖZGÜLER ARİF BÜLENT, A solution to the diagonalization problem by constant precompensator and dynamic output-feedback, IEEE Transactions on Automatic Control, 1989.

DUYAR AHMET, ELDEM VASFİ, Merril Walter, State-space representation of the open-loop dynamics of the space-shuttle main engine, Journal of Dynamic Systems Measurement and Control, Transactions of ASME, 1991.

ELDEM VASFİ, Parametrization of Multivariable systems using output injections-alpha-canonical forms, Automatica, 1993.

ELDEM VASFİ, Feedback realization of open-loop diagonalizers, Kybernetika, 1993.

ELDEM VASFİ, On the solution of diagonal decoupling problem with dynamic output feedback and constant precompensator-The General Case, IEEE Transactions on Automatic Control, 1994.

ELDEM VASFİ, Selbuz Hasan, On the general solution of the state deadbeat control problem, IEEE Transactions on Automatic Control, 1994.

DUYAR AHMET, ELDEM VASFİ, Merril Walter, A simplified model of the space-shuttle main engine, Journal of Dynamic Systems Measurement and Control, Transactions of ASME, 1994.

Ruiz Javier, Zagalak Peter, ELDEM VASFİ, On the Morgan problem with stability, Kybernetika, 1996.

ELDEM VASFİ, Decoupling through specified input-output channels with internal stability, Automatica, 1996.

ÖZÇALDIRAN KADRİ, ELDEM VASFİ, A complete classification of minimal realizations of nonsingular and strictly proper transfers under similarity transformations, Automatica, 1997.

ELDEM VASFİ, ÖZBAY HİTAY, SELBUZ Hasan, ÖZÇALDIRAN KADRİ, Partial disturbance rejection with internal stability and H-infinity norm bound, SIAM JOURNAL ON CONTROL AND OPTIMIZATION, 1998.

Başer Ulviye, ELDEM VASFİ, ALMOST DIAGONALİZATON BY DYNAMIC OUTPUT FEEDBACK WITH INTERNAL STABILITY, INTERNATIONAL JOURNAL OF CONTROL, 1998.

ELDEM VASFİ, ŞAHİN ŞEYHAN, On the feasibility of linear matrix inequalities, Applied and Computational Mathematics, 2011.

ELDEM VASFİ, ŞAHAN GÖKHAN, Structure and stability of bimodal systems in R^3 : Part 1, Applied and Computational Mathematics, 2014.

ELDEM VASFİ, ÖNER İŞİL, A note on the stability of bimodal systems with discontinuous vector fields, INTERNATIONAL JOURNAL OF CONTROL, 2015.

ELDEM VASFİ, ŞAHAN GÖKHAN, The effect of coupling conditions on the stability of bimodal systems in R^3 , SYSTEMS & CONTROL LETTERS, 2016.

ÖNER İŞİL, ELDEM VASFİ, Necessary and sufficient conditions for global asymptotic stability of a class of bimodal systems with discontinuous vector fields, IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION, 2018.

ÖNER İŞİL, ELDEM VASFİ, Necessary and sufficient conditions for global asymptotic stability of a class of bimodal systems with discontinuous vector fields, IMA JOURNAL OF MATHEMATICAL CONTROL AND INFORMATION, 2018.

ŞAHAN GÖKHAN, ELDEM VASFİ, Well posedness conditions for planar conewise linear systems, Transactions of the Institute of Measurement and Control, 2019.

7.2. Ulusal hakemli dergilerde yayınlanan makaleler

7.3. Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

ELDEM VASFİ, ÖNER İŞİL, Classification of the trajectories of bimodal systems in R^3 , 4th International Conference on control and optimization with industrial applications, 1993.

ELDEM VASFİ, DUYAR AHMET, On the identification of piecewise linear and bilinear systems, ASME Winter Annual Meeting,1990.

DUYAR AHMET, ELDEM VASFİ, Saravanan R., A system identification approach for failure detection and diagnosis, IEEE Workshop on Intelligent Motion Control,1990.

ELDEM VASFİ, Feedback realization of open-loop diagonalizers, IFAC 2nd Conference on System Structure and Control,1992.

ELDEM VASFİ, On partial disturbance rejection by measurement feedback with internal stability, 33rd IEEE Conference on Decision and Control (CDC'94),1994.

Başer Ulviye, ELDEM VASFİ, Diagonal decoupling problem with internal stability : A solution by dynamic output feedback and constant precompensator, IFAC Conference on System Structure and Control,1995.

ÖZÇALDIRAN KADRİ, ELDEM VASFİ, A canonical form under similarity of a class of minimal realizations, IFAC Conference on System Structure and Control,1995.

ÖZÇALDIRAN KADRİ, ELDEM VASFİ, Tatar Erdem, A structural result on static output feedback, 34th IEEE Conference on Decision and Control (CDC'95),1995.

Ruiz Javier, Zagalak Peter, ELDEM VASFİ, On the problem of decoupling, IFAC Conference on System Structure and Control,1995.

ELDEM VASFİ, ÖZÇALDIRAN KADRİ, Zagalak Peter, A note on diagonal decoupling, 36th IEEE Conference on Decision and Control (CDC'97),1997.

ELDEM VASFİ, ÖZBAY HİTAY, SELBUZ Hasan, ÖZÇALDIRAN KADRİ, Partial disturbance rejection with internal stability and H-infinity norm bound, 36th IEEE Conference on Decision and Control (CDC'97),1997.

Zagalak Peter, ELDEM VASFİ, ÖZÇALDIRAN KADRİ, On a special case of the Morgan Problem, 5th IFAC Conference on System Structure and Control (SSC'98),1998.

DUYAR AHMET, ELDEM VASFİ, Fault-detection and diagnosis in propulsion systems- Areal time identification approach, Symposium on Fault Detection, Supervision and Safety for Technical Process (SAFEPROCESS'91),1998.

ATAY MEHMET FATİHCAN, Albaş Evren, ELDEM VASFİ, Modelling and identification of saturation in electrical machinery, 1st International Conference on the integration of Dynamics, Measurement and Control (DYMAC 99),1999.

ELDEM VASFİ, Wetherilt James, Parmaksız Sezgin, Albaş Evren, Çeçen Hüseyin, DUYAR AHMET, On the identification of three phase induction motors, European Control Conference,1999.

Albaş Evren, ELDEM VASFİ, ATAY MEHMET FATİHCAN, Identification of compressor faults through model based fault detection approach, ICEC'2000 International Compressor Engineering Conference,2000.

ELDEM VASFİ, ÖZÇALDIRAN KADRİ, A reduction algorithm for LMI, European Control Conference,2007.

ELDEM VASFİ, ŞAHAN GÖKHAN, On the stability of bimodal systems in R3, Joint 48th Conference on Decision and Control (CDC)/ 28th Chinese Control Conference (CCC),2009.

ELDEM VASFİ, ŞAHİN ŞEYHAN, Structural properties of Linear matrix inequalities, 4th Congress of the Turkic World Mathematical Society,2011.

7.4. Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler

ELDEM VASFİ, ÖZGÜLER ARİF BÜLENT, Belirlenmiş giriş-çıkış kanalları ile sistem ayrıştırma, Ulusal Mekanik Konferansı, 1993.

Gökmen Burak, ELDEM VASFİ, Wetherilt James, DUYAR AHMET, MCM : A new technology for predictive maintenance, Otomatik Kontrol Ulusal Konferansı, 2002.

ŞAHAN GÖKHAN, ELDEM VASFİ, Düzlemsel Konik Sistemlerde Çözümlerin Varlığı ve Tekliği, Otomatik Kontrol Türk Milli Komitesi,Otomatik Kontrol Ulusal Toplantısı TOK'17, 2017.

7.5. Yazılan uluslararası kitaplar veya kitaplarda bölümler

7.6. Yazılan ulusal kitaplar veya kitaplarda bölümler

7.7. Diğer yayınlar

8. Projeler

9. İdari Görevler

2010 - 2011 Bölüm Başkanı, GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ

2005 - 2011 Rektör Yardımcısı, GEBZE YÜKSEK TEKNOLOJİ ENSTİTÜSÜ

10. Bilimsel ve Mesleki Kuruluşlara Üyelikler

11. Ödüller

- Sedat Simavi Bilim Ödülü, Bilim - Sanat Ödülleri, Sedat Simavi Vakfı (1994)
- Tübitak Maramara Araştırma Merkezi Başarı Ödülü, Çalışma Ödülü, (1994)

12. Son İki Yılda Verdiği Lisans ve Lisansüstü Düzeydeki Dersler