

Prof. ERES SÖYLEMEZ

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Advising Theses

- Tönük E., Söylemez E., Comparison of constructional aspects of different railway point machines, Postgraduate, O.OVALI(Student), 2019
- SÖYLEMEZ E., Design of a reconnaissance and surveillance robot, Postgraduate, E.ÇAĞAN(Student), 2013
- SÖYLEMEZ E., Design of compliant mechanisms for industrial applications, Postgraduate, A.YILMAZ(Student), 2013
- SÖYLEMEZ E., The multi-objective path placement optimization of parallel kinematic machines, Postgraduate, A.KÜÇÜK(Student), 2013
- SÖYLEMEZ E., Dynamic modeling of high precision servo systems with gear backlash, Postgraduate, Z.YUMRUKÇAL(Student), 2013
- SÖYLEMEZ E., Design of a skid-steer loader, Postgraduate, T.YALÇIN(Student), 2012
- SÖYLEMEZ E., Design of a compliant bistable lock mechanism for a dishwasher functionally binary initially curved pinned-pinned segments, Postgraduate, U.ÜNVERDİ(Student), 2012
- SÖYLEMEZ E., Design of a compliant bistable lock mechanism for a dishwasher using functionally binary initially curved pinned-pinned segments, Postgraduate, U.ÜNVERDİ(Student), 2012
- SÖYLEMEZ E., Developing a four-bar mechanism synthesis program in CAD environment, Postgraduate, K.ERENER(Student), 2011
- SÖYLEMEZ E., Design methods for planar and spatial deployable structures, Doctorate, G.KİPER(Student), 2011
- AKKÖK M., SÖYLEMEZ E., Design and construction of boundary lubricated bearing test rig and wear analysis in earthmoving machinery, Postgraduate, K.SERDAR(Student), 2010
- SÖYLEMEZ E., Ride model and simulation of a backhoe-loader, Postgraduate, D.ALİ(Student), 2010
- SÖYLEMEZ E., Acoustical analysis of exhaust mufflers for earth-moving machinery, Postgraduate, T.OLĞAR(Student), 2009
- SÖYLEMEZ E., Dynamic modeling of an excavator during digging and simulating the motion, Postgraduate, Ö.MUTLU(Student), 2009
- SÖYLEMEZ E., Design of a car door window regulator, Postgraduate, M.ÖZSİPAHI(Student), 2009
- SÖYLEMEZ E., Design of a mechanism for opening hatchback car baggage door, Postgraduate, Y.DURAN(Student), 2009
- BALKAN R. T., SÖYLEMEZ E., Dynamic modelling of a backhoe-loader, Postgraduate, B.KILIÇ(Student), 2009
- SÖYLEMEZ E., Design of a mechanism for opening hatchback car baggage door, Postgraduate, Y.Duran(Student), 2009
- SÖYLEMEZ E., Structural optimization of a trainer aircraft wing by using genetic algorithm, Postgraduate, M.Kağan(Student), 2008
- SÖYLEMEZ E., Shape optimization of an excavator boom by using genetic algorithm, Postgraduate, C.CAN(Student), 2008
- SÖYLEMEZ E., Structural optimization of a trainer aircraft wing by using genetic algorithm, Postgraduate, M.KAĞAN(Student), 2008
- SÖYLEMEZ E., Shape optimization of wheeled excavator lower chassis, Postgraduate, E.ÖZBAYRAMOĞLU(Student), 2008
- SÖYLEMEZ E., Design and implementation of a two-axes linear positioning system for rapid prototyping applications, Postgraduate, F.YAZICIOĞLU(Student), 2007
- SÖYLEMEZ E., On the analysis and design of a new type of partially compliant mechanism, Doctorate, E.TANIK(Student), 2007
- SÖYLEMEZ E., Design of a demolition boom, Postgraduate, B.ÇETİN(Student), 2007

KOKU A. B., SÖYLEMEZ E., Computer aided manufacturing (CAM) data generation for solid freeform fabrication, Postgraduate, O.YARKINOĞLU(Student), 2007

SÖYLEMEZ E., On the synthesis of a class of geared linkage mechanisms, Doctorate, V.PARLAKTAŞ(Student), 2007

SÖYLEMEZ E., Optimization of backhoe-loader mechanisms, Postgraduate, L.İPEK(Student), 2006

SÖYLEMEZ E., KİŞİSEL A. U. Ö., New design methods for polyhedral linkages, Postgraduate, G.KİPER(Student), 2006

SÖYLEMEZ E., Kinematic design of mechanisms in a computer aided design environment, Postgraduate, E.Demir(Student), 2005

SÖYLEMEZ E., Kinematic synthesis of spatial mechanisms using algebra of exponential rotation matrices, Postgraduate, F.SOLTANI(Student), 2005

SÖYLEMEZ E., Synthesis of compliant bistable four-link mechanisms for two positions, Postgraduate, L.Subaşı(Student), 2005

SÖYLEMEZ E., Kinematic design of mechanisms in a computer aided design environment, Postgraduate, E.DEMİR(Student), 2005

SÖYLEMEZ E., Numerical and experimental investigation of fatigue life in deep drawn parts, Postgraduate, O.AYTEKİN(Student), 2005

SÖYLEMEZ E., Design of a computer interface for automatic finite element analysis of an excavator boom, Postgraduate, M.YENER(Student), 2005

SÖYLEMEZ E., Synthesis of compliant bistable four-link mechanisms for two positions, Postgraduate, L.SUBAŞI(Student), 2005

SÖYLEMEZ E., Preparation of a computer aided design package for opto-mechanical design of forward looking infrared systems, Postgraduate, A.ÇAĞRI(Student), 2001

SÖYLEMEZ E., Synthesis and analysis of compliant mechanisms, Postgraduate, V.NARLI(Student), 2001

YAMAN Y., SÖYLEMEZ E., Design a mechanical flight control systems for light aircraft, Postgraduate, Y.Akman(Student), 2001

SÖYLEMEZ E., Two degrees of freedom variable structure mechanisms design, Postgraduate, E.TANIK(Student), 2001

SÖYLEMEZ E., Computer aided kinematic analysis of multi-loop planar mechanisms, Postgraduate, U.ULUSHAN(Student), 2001

SÖYLEMEZ E., Development of an interactive visual planar mechanism synthesis and analysis program by using delphi object oriented programming environment, Postgraduate, A.SERDAR(Student), 2001

SÖYLEMEZ E., Optimum synthesis of large dwell mechanisms, Postgraduate, V.PARLAKTAŞ(Student), 2001

YAMAN Y., SÖYLEMEZ E., Design of a mechanical flight control systems for light aircraft, Postgraduate, Y.AKMAN(Student), 2001

SÖYLEMEZ E., Two degrees of freedom adjustable mechanisms design, Postgraduate, A.Akmeşe(Student), 2000

SÖYLEMEZ E., Two derees of freedom adjustable mechanisms design, Postgraduate, A.AKMEŞE(Student), 2000

SÖYLEMEZ E., Design of crank-rocker type four bar mechanisms for input-output curve generation, Postgraduate, E.Gökkuş(Student), 1993

SÖYLEMEZ E., Synthesis of coupler curves mechanisms by pattern recognition techniques, Postgraduate, E.TÖNÜK(Student), 1992

SÖYLEMEZ E., Computer aided synthesis of straight-line motion mechanisms, Postgraduate, S.ALİ(Student), 1988

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **A novel design method for underactuated variable oscillation mechanisms**
TANIK E., SÖYLEMEZ E.
JOURNAL OF ADVANCED MECHANICAL DESIGN SYSTEMS AND MANUFACTURING, vol.9, no.1, 2015 (SCI-Expanded)
- II. **Homothetic Jitterbug-like linkages**
Kiper G., SÖYLEMEZ E.
MECHANISM AND MACHINE THEORY, vol.51, pp.145-158, 2012 (SCI-Expanded)
- III. **Analysis and design of a compliant variable stroke mechanism**

TANIK E., SÖYLEMEZ E.

MECHANISM AND MACHINE THEORY, vol.45, no.10, pp.1385-1394, 2010 (SCI-Expanded)

IV. On the synthesis of a geared four-bar mechanism

PARLAKTAŞ V., SÖYLEMEZ E., TANIK E.

MECHANISM AND MACHINE THEORY, vol.45, no.8, pp.1142-1152, 2010 (SCI-Expanded)

V. A family of deployable polygons and polyhedra

Kiper G., SÖYLEMEZ E., KİŞİSEL A. U. Ö.

MECHANISM AND MACHINE THEORY, vol.43, no.5, pp.627-640, 2008 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. Four-Bar Function Generation Using Excel Solver

SÖYLEMEZ E., Kiper G.

16th International Federation of Theory of Machines and Mechanisms World Congress, IFToMM WC 2023, Tokyo, Japan, 5 - 09 November 2023, vol.149, pp.208-218

II. A Sustainable Association Case Study: IFToMM Member Organization Turkey

Kiper G., SÖYLEMEZ E.

1st IFToMM for Sustainable Development Goals workshop (I4SDG), ELECTR NETWORK, 25 - 26 November 2021, vol.108, pp.608-615

III. İKİ ANTENDEN OLUŞAN RADAR SİSTEMİ İÇİN KATLANMA MEKANİZMASI GELİŞTİLMESİ

YURT H. K., TURGUT A. E., SÖYLEMEZ E., Güler İ., Fırtnaoğlu E.

19. Ulusal Makina Teorisi Sempozyumu, UMTS 2019, Iskenderun, Turkey, 4 - 06 September 2019

IV. On the Accuracy Analyses of a Class of 2-DOF Planar Parallel Manipulators

Ozsipahi M., SÖYLEMEZ E.

3rd Conference of the Mechanisms Transmissions and Applications, Aachen, Germany, 6 - 08 May 2015, vol.31, pp.41-48

V. Kinematic Design of a Reconfigurable Deployable Canopy

KİPER G., Gurcu F., KORKMAZ K., SÖYLEMEZ E.

5th European Conference on Mechanism Science (EUCOMES), Guimaraes, Portugal, 16 - 20 September 2014, vol.24, pp.167-174

VI. Deployable Space Structures

Kiper G., SÖYLEMEZ E.

4th International Conference on Recent Advances in Space Technologies, İstanbul, Turkey, 11 - 13 June 2009, pp.131-138

VII. Regular Polygonal and Regular Spherical Polyhedral Linkages Comprising Bennett Loops

Kiper G., SÖYLEMEZ E.

5th International Workshop on Computational Kinematics, Duisburg, Germany, 6 - 08 May 2009, pp.249-256

VIII. Using Computer Spreadsheets in Teaching Mechanisms

SÖYLEMEZ E.

2nd European Conference on Mechanism Science, Cassino, Italy, 17 - 20 September 2008, pp.45-53

IX. Design and Implementation of a Modular and Open-For-Development Rapid Prototyping System

YARKINOĞLU O., YAZICIOĞLU F., Söylemez E., KOKU A. B.

Proc. of the 13th International Conference on Machine Design and Production (UMTIK 2008), İstanbul, Turkey, 3 - 05 September 2008

Metrics

Publication: 16

Citation (WoS): 137

Citation (Scopus): 173

H-Index (WoS): 7

H-Index (Scopus): 6

Non Academic Experience

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