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PERSONAL

Date of Birth	1985
Place of Birth	Melikkent - Iran

EDUCATION

2021-2019	Atatürk University, Mechanical Engineering, Ph.D.
2008-2010	Sahand Technical University, Mechanical Engineering, M.S.
2003-2008	Tebriz University, Mechanical Engineering, B.S.

ACADEMIC POSITIONS

October/2021	Assistant Professor, Department of Automotive Engineering, Atılım University, Turkey
September/2015- March/2020	Research Assistant, Department of Mechanical Engineering, Hacettepe University, Turkey
February/2011- July/2012	Academic Staff, Department of Mechanical Engineering, Islamic Azad University, Ajabshir, Iran

RESEARCH INTERESTS

1	Automotive Engineering
2	Hybrid & Electric Vehicles
3	Optimal Control
4	Modelling and Control of Mechanical Systems
5	Alternative Energy Sources
6	CFD Analysis

PUBLICATIONS

1	Ali Amini, Tanılay Özdemir, Özgür Ekici, S. Çağlar Başlamışlı, Murat Köksal, A Thermal Model for Li-Ion Batteries Operating Under Dynamic Conditions, Applied Thermal Engineering, Vol. 185, pp 1-12, 2021.
2	Azim Doğuş Tuncer, Adnan Sözen, Ataollah Khanlari, Ali Amini, Ceylan Şirin, Thermal performance analysis of a quadruple-pass solar air collector assisted pilot-scale greenhouse dryer, Solar Energy, Vol. 23, pp 304-316, 2020.
3	Ali Amini, Özgür Ekici, Kenan Yakut, Experimental Study of Regenerative Rotational Damper in Low Frequencies, International Journal of Automotive Technology, Vol. 21, pp 83-90, February 2020.
4	Ali Amini, Özgür Ekici, Kenan Yakut, Investigating the effect of medium liquid layer circulation on temperature distribution in a thermoelectric generator, Journal of Energy Resources Technology (ASME), Vol. 141(1), pp 1-11, 2019.
5	Hadi Ghasemi Zavaragh, Alırıza Kaleli, Faraz Afshari, Ali Amini, Optimization of heat transfer and efficiency of engine via air bubble injection inside engine cooling system, Applied Thermal Engineering, Vol. 123, pp 390–402, 2017.
6	Mustafa Aktaş, Ataollah Khanlari, Burak Aktekeli, Ali Amini, Analysis of a new drying chamber for heat pump mint leaves dryer, International Journal of Hydrogen Energy, Vol. 42 (28), pp 18034–18044, 2017.
7	Mustafa Aktaş, Ataollah Khanlari, Ali Amini, Seyfi Şevik, Performance analysis of heat pump and infrared–heat pump drying of grated carrot using energy-exergy methodology, Energy Conversion and Management, Vol. 132, pp 327–338, 2017.
8	Mustafa Aktaş, Adnan Sözen, Ali Amini, Ataollah Khanlari, Experimental analysis and CFD simulation of infrared apricot dryer with heat recovery, Drying Technology, Vol. 35 (6), pp 766-783, 2017.
9	Mustafa Aktaş, Seyfi Şevik, Ali Amini, Ataollah Khanlari, Analysis of drying of melon in a solar-heat recovery assisted infrared dryer, Solar Energy Vol. 137, pp 500–515, 2016.
10	Ali Amini, Baybars Özelci, Tanılay Özdemir, Özgür Ekici, S. Çağlar Başlamışlı, Murat Köksal, Experimental Study of the Performance of a Li-Ion Battery Cell in a Highway Driving Cycle, Kocaeli Journal of Science and Engineering, Vol. 3, pp 1-8, 2020.
11	Tanılay Özdemir, Ali Amini, Özgür Ekici, Murat Köksal, Experimental assessment of the lumped lithium–ion battery model, E3S Web of Conferences, Vol. 128, pp 2-5, 2019.
12	Ali Amini, S. Caglar Baslamisli, Bayramcan Ince, Kerem Koprubasi, Selim Solmaz, Parametric investigation of a hybrid vehicle\'s achievable fuel economy with optimization based energy management strategy, Advances in Automotive Engineering (AAE), Vol. 1 (1), pp 105–121, 2018.
13	Ali Amini, S. Caglar Baslamisli, Bayramcan Ince, Mertcan Koçak, The effect of different gear ratio selection algorithms on the efficiency of conventional and parallel hybrid drivetrains, Anadolu University Journal of Science and Technology A- Applied Sciences and Engineering, Vol. 18 (4), pp 30–45, 2017
14	Ali Amini, M. Mirzaei, R. Khoshbakhti Saray, Optimization-based non-linear Control Law with Increased Robustness for Air Fuel Ratio Control in SI Engines, International Journal of Automotive Engineering, Vol. 3, pp 582-591, 2013.

PROJECTS

1	Lityum İyon Pillerin Türkiye İçin Oluşturulmuş Sürüş Çevrimlerinde Isıl ve Elektriksel Performansının İncelenmesi. Hacettepe University, Computational Fluid Dynamics laboratory, Mechanical engineering faculty. Ankara, Turkey, 2018-2020, Supervisor: Assist. Prof. Dr. Özgür Ekici. Tubitak project No: 216M048.
2	Araç takip sistemi verilerini kullanarak elektrikli ve hibrit taşıtlar için enerji yönetim sistemi algoritmalarının optimizasyonu ve ticari/kamusal kullanıma yönelik motorlu taşıtlar için optimal hibritleştirme alternatiflerinin değerlendirilmesi. Hacettepe University, Senstech laboratory, Mechanical engineering faculty. Ankara, Turkey, 2015-2018. Supervisor: Assoc. Prof. Dr. S. Çağlar Başlamışlı. Tubitak project No: 115M593.

CONFERENCE PRESENTATIONS

1	Bayramcan İnce, S. Çağlar Başlamışlı, Ali Amini, Ümit Ulusoy, Umut Tekyürk, Atalay Cömert, Reduction of fuel consumption for electric/hybrid city busses with an adaptive algorithm: case study for the city of Ankara, OTEKON, 9th International Automotive Technologies Congress, Bursa, Turkey, May 2018.
2	Ali Amini, S. Çağlar Başlamışlı, Bayramcan İnce, Design of Energy Management Systems for Electric/Hybrid Buses with Optimal Control Methods: Case Study for the City of Ankara and Cost Analysis, TOK, Automatic control national conference, İstanbul, Turkey, November 2017.
3	Ali Amini, S. Çağlar Başlamışlı, Bayramcan İnce, Mertcan Koçak, Combination of Optimal Gear Selection and Equivalent Consumption Minimization Strategies in Parallel Hybrid Vehicles, TOK, Automatic control national conference, Eskisehir, Turkey, 29 September - 01 October 2016, Paper ID: 112.
4	Mustafa Aktaş, Ataollah Khanlari, Burak Aktekeli, Ali Amini, Development of a new drying chamber for heat pump mint leaves dryer, ECRES – 4th European Conference on Renewable Energy Systems, İstanbul, Turkey, 28-31 August 2016, Paper ID: 373.
5	Ali Amini, E. Teoman Önder, S. Çağlar Başlamışlı, Kerem Köprübaşı, Selim Solmaz, Paralel hibrit bir araç için eşdeğer enerji minimizasyonu yöntemi ile yakıt tüketimi optimizasyonu, OTEKON 2016, 8th Automotive Technologies Conference, BURSA, Turkey, 23 – 24 May 2016, Paper ID: B0137.
6	Ali Amini, Mehmet Akif Ceviz, Jau Huai Lu, Capability of low vacuum vortex tube in combustion engine applications, Proceedings of the 24th National Conference on Combustion and Energy, National Cheng Kung University, Tainan, Taiwan, April 19th 2014, Paper ID: 076.
7	Ali Amini, Mehdi Mirzaei and Rahim Khoshbakhti Saray, Control of air fuel ratio in SI engine using optimization, Proceedings of the ASME 2010 10th biennial conference on Engineering Systems Design and Analysis ESDA2010, Yeditepe University, İstanbul, Turkey, 12-14 July.2010, Paper ID: 24905.
8	Ali Amini, Mehdi Mirzaei and Rahim Khoshbakhti Saray, Nonlinear Control of air fuel ratio in SI engine, 18th Annual international conference of Mechanical Engineering, Sharif University of Technology, Tehran, Iran, 11-13 May. 2010, Paper ID: 1783.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	260
H-index (ISI Web of Science):	5

COURSES GIVEN

1	AE421 Electric and Hybrid Vehicles
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