CV

1. Name Surname: Keyvan BAHLOULI

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2. Birth date: 25 May 1981

3. Title: Dr.

4. Education:

Degree	Field of Education	University name	Year
Undergraduate	Mechanical Eng.	Azad University of Tabriz (Iran)	2004
Master	Mechanical Eng.	University of Tabriz (Iran)	2008
PhD	Mechanical Eng.	Eastern Mediterranean University	2014

5. Academic Title:

Dr., Mechanical Engineering, Eastern Mediterranean University. 2014

Dr., Mechanical Engineering, Girne American University 2016

6. Supervised Master and PhD Thesis

7. Publications

7.1 International SCI publications

Lashkarpour, M., Bahlouli, K, Razavi, E., Marami Milani, S, *"Experimental and Computational Investigation of Effects of Cooling Intake Air in NOx Reduction and Performance of Diesel Engines"* Asian Journal of Applied Sciences, vol. 4, pp. 30-41, 2011

Bahlouli, K, Khoshbakhti Saray, R, Atikol, U, *"Development of a Reduced Mechanism for n-heptane Fuel in HCCI Combustion Engines by Applying Combined Reduction Methods"Energy Fuels*, vol. 26 (6), pp. 3244–3256 , 2012

Mohammadi, V, Khoshbakhti Saray, R, Bahlouli, K "An Automatic Mechanism Reduction Process in Order to Model the Combustion in an HCCI Engine Fueled with Natural Gas and N-heptane" (in Persian) *Iranian Journal of combustion and Fuel*, vol. 1, pp. 1-15, 2013

Bahlouli, K, Atikol, U, Khoshbakhti Saray, R, Mohammadi, V, *"A Reduced Mechanism for Predicting the Ignition Timing of a Fuel Blend of Natural-Gas and n-Heptane in HCCI Engine" Energy Conversion and Management*, vol. 79, pp. 85–96 , 2014

khaljani, M, Khoshbakhti Saray, R, Bahlouli, K *"Comprehensive analysis of energy, exergy and exergo-economic of Cogeneration of Heat and Power in a Combined gas Turbine and Organic Rankine Cycle" Energy Conversion and Management*, vol. 79, pp. 154–165, 2015

Anvari, S, Khoshbakhti Saray, R, Bahlouli, K *"Conventional and Advanced Exergetic and Exergoeconomic Analyses Applied to a Tri-generation Cycle for Heat, Cold and Power Production"Energy, The International Journal,* vol. 91, pp.925-939, 2015

Bahlouli, K, Khoshbakhti Saray, R, Atikol, U, *"Effects of heat transfer on the reduction of detailed chemical mechanism in HCCI combustion engine" Proceedings of the Institution of Mechanical Engineers, Part D: Journal of Automobile Engineering*, vol**.** 229, pp. 1969-1980 **,** 2015

Kazemi, S, Khoshbakhti Saray, R, Bahlouli, K, Eftekhari, H, Ebrahimi, A *"Exergoeconomic analysis and optimization of a triple-pressure combined cycle plant using evolutionary algorithm" Energy, The International Journal* , vol. 93, pp. 555-567, 2015

khaljani, M, Khoshbakhti Saray, R, Bahlouli, K *"Thermodynamic and thermoeconomic optimization of an integrated Gas Turbine and Organic Rankine Cycle"Energy, The International Journa,l* vol. 93, pp. 2136-2145, 2015

Bahlouli, K, Khoshbakhti Saray, R, Sarabchi, N *"Parametric Investigation and Thermoeconomic Multi-Objective Optimization of an Ammonia-Water Power/Cooling Cycle coupled with a HCCI Engine" Energy, The International Journal*, vol. 86, pp. 672-684, 2015

khaljani, M, Khoshbakhti Saray, R, Bahlouli, K *"Evaluation of a combined cycle based on HCCI engine exhaust heat recovery employing two Organic Rankine Cycles" Energy, The International Journal* , 2016 (Accepted for publication)

Bahlouli, K, Khoshbakhti Saray, R "*Energetic and Exergetic Thermodynamic Analysis of a new Energy System for Heating and Power Production Purpose" Energy, The International Journal*, 2016 (Accepted for publication)

7.2 International conference, Proceedings and Symposium

Bahlouli, K, Khoshbakhti Saray, R, khaljani, M *"Exergoeconomic analysis of an integrated cycle based on an HCCI engine and two organic Rankine cycles"* International Conference on Viable Energy Trends (InVEnT-2016, Sharjah, United Arab Emirates, 30 January and 1 February 2016)

Pourghasemi, K, Khoshbakhti Saray, R, Bahlouli, K *"Development of a CFD model for prediction of a natural gas fuelled HCCI engine combustion, performance and emission characteristics employing a new reduced chemical kinetic mechanism"*, The 7th International Exergy, Energy and Environment Symposium (IEEES7-2015, ENSIAME-UVHC, Valenciennes, France, 27-30 April, 2015)

khaljani, M, Khoshbakhti Saray, R, Bahlouli, K *"Multi-objective Optimization of Cogeneration of Power and Heat in a Combined Gas Turbine and Organic Rankine Cycle*

(ORC)", The 7th International Exergy, Energy and Environment Symposium (IEEES7-2015, ENSIAME-UVHC, Valenciennes, France, 27-30 April, 2015)

Bahlouli, K, Khoshbakhti Saray, R *"Multi-Objective Optimization of an Ammonia-Water Power/Cooling Cycle coupled with a HCCI Engine"*, The 7th International Exergy, Energy and Environment Symposium (IEEES7-2015, ENSIAME-UVHC, Valenciennes, France, 27-30 April, 2015)

Bahlouli, K, Khoshbakhti Saray, R, Atikol, U, *"Development of a Reduced Mechanism for n-Haptane Fuel in HCCI Engines"*, The Sixth International Exergy, Energy and Environment Symposium (IEEES-6), June 30-July 03, 2013, Reeze, Turkey.

Khabbza, A, Bahlouli, K, Khoshbakhti Saray, U, *"Investigation on Effects of Di-And Tri-Methyl Benzene on Combustion Process and Emissions of a Direct Diesel Engine"*, 10th International Conference on Clean Energy (ICCE) 15-17th September, 2010 Gazimagusa, N. Cyprus.

Bahlouli, K, Lashkarpour, M., Khabbza, A, *"Experimental and Numerical investigation of turbocharger matching and Its Effect on engine exhaust emissions of a direct injection diesel engine"*, 6th international conference on internal combustion engines, November 16-19, 2009, Tehran, Iran(http://www.civilica.com/Paper-ICICE06-ICICE06_097.html)

7.3 Publication of book or chapter in a book

Bahlouli, k, Khoshbakhti Saray, R, Atikol, U, "Development of a Reduced Mechanism for n-Haptane Fuel in HCCI Engines", Book chapter in Progress in Exergy, Energy, and Environment, 95, 2014, Springer

7.4 National publications

7.5 National conference, Proceedings and Symposium

Khabbaz, A Bahlouli, K, Lashkarpour, M., , "Experimental investigation of the injector nuzzle numbers effects on emission and performance of a diesel engine", 6th international conference on internal combustion engines, November 16-19, 2009, Tehran, Iran (in Persian)(http://www.civilica.com/Paper-ICICE06-ICICE06_014.html)

Bahlouli, K, Lashkarpour, M., Khabbaz, A "Experimental investigation of the effects of piston crown geometry on emission and performance of a diesel engine", 6th international conference on internal combustion engines, November 16-19, 2009, Tehran, Iran (in Persian) (http://www.civilica.com/Paper-ICICE06-ICICE06_007.html)

7.6 Other Publications

8. Projects

- Design and development of MT4.244 engine (off-road engine) with stage 2 standard according to Europe legislation (certificated by IDIADA Inc., Spain)

2007

- Converting emission standard level of Perkins MT4244 engine from stage 2 to stage 3A

2008

- Converting of Phaser 135Ti Diesel engine to CNG engine with Euro 2 standard

2008

- Improving emission standard level of T4.236 and Phaser 135Ti Diesel engines from Euro1 to Euro 2 standard

2009

- Improving emission standard level of 1006.6 TG Diesel engine from Stage1 to Stage 2 standard

2009

9. Administrative tasks

10. Membership

ASME

11. Awards

Tübitak research journal publication 2013

12. Lecture courses offered within past two years

Akademik Yıl	Dönem	Dersin Adı	Haftalık Saati		Öğrenci Sayısı
			Teorik	Uygulama	
2013-14	Güz	Internal Combustion Engines	4		20
	İlkbahar	Internal Combustion Engines	4		25
		Thermal Power Engines	3		20
		Fundamental of Thermodynamics	3		30