



Mehdi Mehrtash, Ph.D.

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PERSONAL

Date of Birth	1985
Place of Birth	Iran/Urmia

EDUCATION

2012-2017	Middle East Technical University, Mechanical Engineering, Ph.D.
2009-2011	Middle East Technical University, Mechanical Engineering, M.S.
2004-2008	Urmia University, Mechanical Engineering, B.S.

ACADEMIC POSITIONS

Month/Year	Assistant Professor, Department of Energy Systems Engineering, Atılım University, Turkey	04/2018
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HONORS&AWARDS

1	Awarded TUBITAK 2215 graduate scholarship, 2012-2016
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RESEARCH INTERESTS

1	Thermal and Flow Management of Multiscale Systems
2	Computational Fluid Dynamics (CFD)
3	Multiphysics Modeling
4	Renewable and Sustainable Energy Systems
6	Energy Storage and Conversion

PUBLICATIONS

1	Mehrtash, M. , Tari, I., Yesilyurt, S., "Numerical modeling of visco-elasto-plastic hygro-thermal stresses and the effects of operating conditions on the mechanical degradation of PEFC membranes," <i>Journal of Power Sources</i> (2018) 396 (2018) 164-174.
2	Mehrtash, M. , Tari, I., Yesilyurt, S., "Impacts of inhomogeneous clamping force on local performance and liquid water formation in polymer electrolyte fuel cells," <i>International Journal of Hydrogen Energy</i> 42 (2017) 19227-19245.
3	Tari, I., Mehrtash, M. , "Natural convection heat transfer from inclined plate-fin heat sinks," <i>International Journal of Heat and Mass Transfer</i> 56 (2013) 574-593.

4	Mehrtash, M. , Tari, I., "A correlation for natural convection heat transfer from inclined plate-finned heat sinks," <i>Applied Thermal Engineering</i> 51 (2013) 1067-1075.
5	Tari, I., Mehrtash, M. , "Natural convection heat transfer from horizontal and slightly inclined from horizontal plate-fin heat sinks," <i>Applied Thermal Engineering</i> 61 (2013) 728-736.

CONFERENCE PRESENTATIONS

1	Mehrtash, M. , Tari, I., "Numerical investigation of natural convection from vertical and inclined plate-finned heat sinks," <i>18th National Conference on Thermal Sciences (ULIBTK)</i> , Zonguldak, Turkey, September 2011.
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CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	150
H-index (ISI Web of Science):	4

COURSES GIVEN

1	ENE 203 Thermodynamics 1
2	ENE 204 Thermodynamics 2
3	ENE 301 Heat Transfer
4	ENE 305 Combustion
5	ENE 415 Energy Storage Technology