



**Mehdi Mehrtash, Ph.D.**

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**PERSONAL**

<b>Date of Birth</b>	01/05/1985
<b>Place of Birth</b>	Iran

**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**

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

1	Awarded TUBITAK 2215 graduate scholarship for international students, 2012-2016
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**RESEARCH INTERESTS**

1	Thermal and Flow Management of Multiscale Systems
2	Computational Fluid Dynamics (CFD)
3	Renewable and Sustainable Energy Systems
4	Multiphase Transport
5	Energy Storage and Conversion

**PUBLICATIONS**

1	<b>Mehrtash, M.</b> , 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	<b>Mehrtash, M.</b> , 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., <b>Mehrtash, M.</b> , "Natural convection heat transfer from inclined plate-fin heat sinks," <i>International Journal of Heat and Mass Transfer</i> 56 (2013) 574-593.

4	<b>Mehrtash, M.</b> , 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., <b>Mehrtash, M.</b> , "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	<b>Mehrtash, M.</b> , Tari, I., "Numerical investigation of natural convection from vertical and inclined plate-finned heat sinks," <i>18<sup>th</sup> 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):	130
H-index (ISI Web of Science):	4

### COURSES GIVEN

1	ENE 203 Atilim University Summer 2018
2	ENE 301 Atilim University Summer 2018