

Curriculum Vitae

ERFAN KHALAJI

Education

- Sep 2009 – Feb 2012 Master of Science in Mechanical Engineering (Energy Conversion)
Yazd University, Yazd, Iran (GPA: 16.12 out 20)
Thesis title: Numerical simulation of heat transfer enhancement by detached rib due to the impingement turbulent jet
- Sep 2004 – Sep 2009 Bachelor of Science in Mechanical Engineering (Fluid Mechanics)
Kashan University, Esfahan, Iran (GPA: 13.99 out of 20)
Thesis title: Design and development of positive-flow meter applied in internal combustion engines
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Skills

- Fluid mechanics and turbulence flows
 - Impinging jets, Piping and installation design, Finite Difference analysis
 - Computer aided design and manufacturing (CAD/CAM)
 - Object-oriented programming (C++, Fortran), PDMS, CATIA, AUTOCAD, ANSYS, Fluent and Gambit, CARRIER.
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Work Experience

- 2014 - Present Technical Supervisor, Haierplast Company (Entekhab group), Murchehort industrial area, Esfahan, Iran.
- 2012 – 2014 Research and development Dept., Paya-Rezin Company, Mobarake industrial area, Esfahan, Iran.
- 2009 – 2012 Quality Control Dept, Abnil Shimi Company, Mobarake industrial area, Esfahan, Iran.
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Teaching Experience

- 2009 – 2012 Teaching Assistant (Heat Transfer, Fluid Mechanics), Yazd University, Yazd, Iran
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Publications and Contributions

Peer-Reviewed Journal Papers: Published/Accepted/In Press/Submitted

1. **E. Khalaji**, M.R. Nazari, Z. Seifi, “2D Numerical simulation of impinging jet to the flat surface by k-w-v2-f turbulence model”, Accepted in the *Journal of Heat and Mass Transfer, Springer*, Manuscript ID: HMT-15-0017.R1.
 2. Z. Seifi, M.R. Nazari, **E. Khalaji**, “2D Numerical simulation of impinging jet to the concave surface by k-w-v2-f turbulence model”, Submitted to the *International Journal of Heat and Fluid Flow*, , Manuscript ID: HFF-D-14-00559
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Certificates

1. International English Language Test System (IELTS): 6.5 out of 9 (Speaking: 6.5, reading: 6, Writing: 6.5, listening: 7)
2. CATIA. Shahr-dari Informatics Center, Iran, Esfahan, 2006.
3. ANSYS. Shahr-dari Informatics Center, Iran, Esfahan, 2007.
4. Gambit and Fluent. Behaco Institute, Iran, Esfahan, 2008.