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**Education**

- Ph.D, Mechanical Engineering (Energy Exchange), Department of Mechanical Engineering, Shahid Bahonar University of Kerman, 2006-2011.
- M.Sc., Mechanical Engineering (Energy Exchange), Department of Mechanical Engineering, Shahid Bahonar University of Kerman, 2003-2005.
- B.Sc., Mechanical Engineering (Energy Exchange), Department of Mechanical Engineering, Birjand University, 1999-2003.

**Publications:**

➤ **Publications In International Journals:**

- [1]- H. Amiri, S. H. Mansouri and A. Safavinejad, Combined conductive and radiative heat transfer in an anisotropic scattering participating medium with irregular geometries, International Journal of Thermal Sciences 49 (2010) 492-503.
- [2]- H. Amiri, S. H. Mansouri and , P. J. Coelho, Application of the modified discrete ordinates method with the concept of blocked-off region to irregular geometries, International Journal of Thermal Sciences, In Press, Corrected Proof, Available online 30 November 2010.
- [3]- H. Amiri, S. H. Mansouri and P. J. Coelho, Application of modified discrete ordinates method to combined conduction-radiation heat transfer problems in irregular geometries, Accepted in International Journal of Numerical Methods for Heat and Fluid Flow.
- [4]- H. Amiri, S. H. Mansouri and P. J. Coelho, Inverse optimal design of radiant enclosures with participating media: a parametric study, Accepted in Heat Transfer Engineering.
- [5]- H. Amiri, S. H. Mansouri, A. Safavinejad and P. J. Coelho, Optimal number and location of discrete radiant heaters in enclosures with participating media using micro

genetic algorithm, Numerical Heat Transfer, Part A: Applications, vol. 60, issue 5, pp. 461-483.

- [6]- M. Tohidi, S.H. Mansouri, H. Amiri, Effect of primary parameters on the performance of PEM fuel cell, International Journal of Hydrogen Energy 35 (2010) 9338-9348.
- [7]- H. Amiri, S. H. Mansouri and P. J. Coelho, Inverse Boundary Design Problems in Radiant Enclosures with A Non-Grey Medium, Submitted to Journal of Quantitative Spectroscopy and Radiative Transfer.

➤ **Publications In International Conferences:**

- [1]- H. Amiri , S. H. Mansouri and A. Safavinejad, Application of Modified Discrete Ordinate Method to Combined Conductive and Radiative Heat Transfer Problems in Irregular Geometry, Proceedings of the ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, Istanbul, Turkey.
- [2]- H. Amiri , S. H. Mansouri and A. Safavinejad, Application of Modified Discrete Ordinates Method with the Concept of Blocked-off Region Method to Radiative Heat Transfer Problems in Irregular Geometries, Proceedings of the ASME 2010 10th Biennial Conference on Engineering Systems Design and Analysis, Istanbul, Turkey.
- [3]- H. Amiri , S. H. Mansouri and A. Safavinejad ,Combined Conduction and Radiation Heat Transfer in Absorbing, Emitting and Scattering Medium with Complex Geometries using blocked-off Region Method, In 17<sup>th</sup>. Annual (International) Conference on Mechanical Engineering-ISME2009, May 2009, University of Tehran, Iran.
- [4]- H. Amiri , S. H. Mansouri and A. Safavinejad , Optimal Number and Location of Equally Power Heaters in Radiant Enclosures Containing Absorbing, Emitting and Linear Anisotropic Scattering Medium using micro-genetic algorithm, In 17<sup>th</sup>. Annual (International) Conference on Mechanical Engineering-ISME2009, May 2009, University of Tehran, Iran (In Persian).
- [5]- H. Amiri, S. H. Mansouri, PEM Fuel Cell Modeling ,Published In 14<sup>th</sup>. Annual (International) Conference on Mechanical Engineering-ISME2006, May 2006, Esfahan University of Technology, Esfahan, Iran (In Persian).

**Research Projects:**

- [1]- S. H. Mansouri, H. Amiri, Optimal Number and Location of Equally Power Heaters in Radiant Enclosures with Participating Media, International Center for Science, High Technology & Environmental Sciences.