



## CURRICULUM VITAE

**Ahmad A. Manasrah**

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### 1. Personal Data

Date of Birth: April 10, 1987

Nationality: Jordanian

### 2. Education

- Ph.D. in Mechanical Engineering, 2016, University of South Florida, Tampa, US
- M.Sc. in Mechanical Engineering, 2012, University of South Florida, Tampa, US
- B.Sc. in Mechatronics Engineering, 2010, Al Balqa University, Amman, Jordan

### 3. Ph.D. Dissertation

*Application and Analysis of Asymmetrical Hot and Cold Stimuli,*  
University of South Florida, Tampa, US

### 4. Employment

#### Academic Positions

- Assistant Professor, Mechanical Engineering, ZUJ, Amman, Jordan  
October 1, 2016 – present
- Research Assistant, University of South Florida, Tampa, US  
June 2011 - June 2012



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### 5. Research Interests

Thermal Sciences, Automatic Control, Haptics, Education

### 6. Membership in Scientific Societies and Associations

- Member in the American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE) Florida west coast chapter

### 7. Fellowships and Scholarships

- 2014: American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE) Florida west coast grant.
- 2013: Al Zaytoonah University of Jordan scholarship.

### 9. Teaching Experience

- *Undergraduate Courses*

Thermodynamics, Heat Transfer, Fluid Mechanics, and Automatic Control,

### 10. Grants

- “Studying the Tactile Feedback on the Palm of the Hand”, 2017, ZUJ. Grant: 7000JD. Grant number: 2016-2017\64\17

### 11. Membership of Committees

- **National and International**
  - *Jordanian Engineers Association*
  - *American Society of Heating, Refrigeration, and Airconditioning*

### 12. Professional and Scientific Meetings

#### *Participation in Scientific meetings*

- Attended the third Qualification and Professional Accreditation Forum in Amman, in December 2017.
- Participated in the World Science Forum 2017 in Dead Sea, Jordan.
- Attended the first Jordanian International Forum for Occupational Safety and Health in April, 2017.



### 13. Publications

Provide numbered lists of:

- **A. Manasrah**, N. Crane, R. Guldiken, and K. B. Reed, "Perceived cooling using asymmetrically-applied hot and cold stimuli," IEEE Transactions on Haptics, vol. PP, no. 99, pp. 1–1, 2016. DOI:10.1109/TOH.2016.2578334
- **A. Manasrah**, R. Guldiken, K. Reed, "Thermal Comfort and Perception Inside Air-Conditioned Areas", Proc. of the ASHRAE Annual Conference June, 2016, St. Louis, MO.
- **A. Manasrah**, N. Crane, R. Guldiken, K. B. Reed. "Asymmetrically-Applied Hot and Cold Stimuli Gives Perception of Constant Heat," IEEE World Haptics Conference (WHC), Furstenfeldbruck (Munich), Germany, 2017
- Hojatmadani M, Hardy M, **Manasrah A**, Guldiken R, Reed K. Heat Flux Characteristics of Asymmetrically Heated and Cooled Thermal Stimuli. ASME. ASME International Mechanical Engineering Congress and Exposition, Volume 8: Heat Transfer and Thermal Engineering ():V008T10A041. doi:10.1115/IMECE2017-71995.