

CURRICULUM VITAE

Ahmad A. Manasrah



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Teaching Portfolio: <https://sites.google.com/view/ahmadmanasrah/home>

1. 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

2. Ph.D. Dissertation

[Application and Analysis of Asymmetrical Hot and Cold Stimuli](#),

University of South Florida, Tampa, US

3. Employment

• Academic Positions

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

4. Research Interests

Thermal Sciences, Automatic Control, Haptics, Education

5. Membership in Scientific Societies and Associations

- Member of EuroHaptics society since 2019
- Member in the American Society of Heating Refrigerating and Air-conditioning Engineers (ASHRAE) Florida west coast chapter 2015

6. Honors and Awards

- The "Khalil Assalem - Philadelphia" prize for best research paper in 2018

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,
Design and Control of Hydraulic Systems, Engineering Measurements,
Occupational Health and Safety.*

10. Grants

- 2020: ZUJ grant "Experimental and Numerical Investigations of Natural, Mixed and Forced Convective Heat in Porous Media with Phase Change Materials". Grant: JOD 11,000. Grant number: 2020-2019/12/17
- 2019: ZUJ grant "Design and development of an enzyme-based closed loop system for controlling glycemia". Grant: JOD 28,000. Grant number: 2018-2019/11/18
- 2019: The "Khalil Assalem - Philadelphia" prize for best research paper in 2018. Grant: JOD 1,500
- 2017: ZUJ grant. "Studying the Tactile Feedback on the Palm of the Hand". Grant: JOD 7,000D. Grant number: 2016-2017\64\17

11. Membership of Committees

- **National and International**
 - Jordanian Engineers Association since 2010
 - American Society of Heating, Refrigeration, and Air-conditioning 2015
 - EuroHaptics member since 2019

12. Professional and Scientific Meetings (last three years)

- Participated in EuroHaptics Conference 2019, Netherlands
- Participated as a judging committee member in the Space of Science Competition held by The Islamic Science Schools, Amman, in spring 2019.
- Participated in IEEE Jordan International Joint Conference on Electrical Engineering and Information Technology (JEEIT), 2019, Jordan
- Participated in Erasmus Plus project METHODS workshop on Renewable Energy Management, 2018, Austria
- Participated in Erasmus Plus project METHODS workshop on E-learning using portable devices, 2018, Bulgaria

13. Publications (selected from last three years)

- **Manasrah, Ahmad**, Mohammad Masoud, Yousef Jaradat, and Piero Bevilacqua. "Investigation of a Real-Time Dynamic Model for a PV Cooling System" *Energie*. 2022. 15, no. 5: 1836.
- Al-Amayreh, M., Alahmer, A., **Manasrah, A.** "A novel parabolic solar dish design for a hybrid solar lighting-thermal applications". *Energy Reports*. Volume 6, Supplement 9, 2020, 1136-1143
- **Manasrah, A.** Masoud, MZ. Alkalil, S. "Investigation of Multi-Way Forced Convective Cooling on the Backside of Solar Panels". *International Journal on Energy Conservation*. 8 (5), 2020, 181-189.
- **Manasrah, A.** Al Zyoud, A. and Abdelhafez, E. "Effect of color and nano film filters on the performance of solar photovoltaic module". *Energy Sources, Part A: Recovery, Utilization, and Environmental Effects*: 43 (6), 2019, 705-715
- **Manasrah, A.**, Masoud, M., & Jaradat, Y. (2021, July). Short Videos, or Long Videos? A Study on the Ideal Video Length in Online Learning. In 2021 International Conference on Information Technology (ICIT) (pp. 366-370). IEEE.
- Alkhalil, S., **Manasrah, A.**, & Masoud, M. (2021, July). Let's Learn with a Jigsaw! Implementing a Unique Collaborative Online Learning in an Engineering Course. In 2021 International Conference on Information Technology (ICIT) (pp. 396-399). IEEE