


# Curriculum Vitae

Name: Huan-Liang Tsai

## 1. Personal data

Name	HUAN-LIANG TSAI	
Nationality	R.O.C.	
Birthday	1964/03/21	
Address	168, University Rd., Dah-Tsuen, Chang-Hwa, 51591, Taiwan, R.O.C.	
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## 2. Education

Ph. D, Cheng-Chung Institute of Technology in Taiwan, R.O.C.

## 3. Current position and relevant experience

Professor in the department of Electric Engineering, Da-Yeh University, Taiwan, R.O.C.

2016/8~present, Professor, Da-Yeh University.

2005/8~2016/7, Associate Professor, Da-Yeh University.

2002/2~2005/7, Assistant Professor, Cheng-Chung Institute of Technology.

## 4. Fields of specialty (limit to fields related to research)

- (1)PV System Engineering
- (2)Solar Energy
- (3)Control Engineering
- (4)Flight Control Engineering

## 5. Editor positions

- (1) **Editor in the Journal of Solar & Photo energy Systems (PRSP), 2018/8~ on-the-job.**
- (2) **Editor in the Journal of Electronic Research and Application (JERA), 2018/5~ on-the-job.**
- (3) Journal of Energy Research and Reviews, academic editor, since 2018.
- (4) Advanced Environment Research, editor, since 2017.
- (5) Canadian Research & Development Center of Science and Culture, editor, since 2012.
- (6) International Journal of Engineering and Industries, editor, since 2010.
- (7) Journal of Convergence Information Technology: Power and Energy Engineering, editor, since 2010.
- (8) IAENG Society of Electrical Engineering Co-Chair, since 2007.

6. Significant publications in the past five years

- (1) **Huan-Liang Tsai** and Chia-Chung Hsu, “**Development of cost-effective photovoltaic supervision system using Arduino and MATLAB/Simulink platform,**” *SYLWAN Journal*, Vol. 162, No. 8, August 2018, Paper ID: cUf8U, pp. 55-81. (SCI, impact factor: 0.623).
- (2) **Huan-Liang Tsai**, Ronggeng Huang, and Yu-Hui Lian, “Development and Verification of Photo-Electro- Thermal Model for Commercial Photovoltaic Modules,” *Wulfenia Journal*, Vol. 25, No. 1, January 2018, pp. 68-97. (SCI, impact factor: 1.219).
- (3) Phuong Truong Le, **Huan-Liang Tsai**, and Thanh Hien Lam, “A wireless visualization monitoring, evaluation system for commercial photovoltaic modules solely in MATLAB/Simulink environment,” *Solar Energy*, Vol. 144, December 2016, pp. 1-11. (SCI: 21/89 in Energy & Fuels; **IF: 3.469**).
- (4) **Huan-Liang Tsai** and Phuong Truong Le, “Self-sufficient energy recycling of light emitter diode/thermoelectric generator module for its active-cooling application,” *Energy Conversion and Management*, Vol. 118, June 2016, pp. 170-178. (SCI: 14/83 in Energy & Fuels; **IF: 4.380**).
- (5) **Huan-Liang Tsai**, “Modeling and validation of refrigerant-based PVT-assisted heat pump water heating system,” *Solar Energy*, Vol. 122, December 2015, pp. 36-47. (SCI: 21/89 in Energy & Fuels; **IF: 3.469**).
- (6) **Huan-Liang Tsai**, “Modeling and validation of refrigerant-based PVT-assisted heat pump water heating system,” *Solar Energy*, Vol. 122, December 2015, pp. 36-47. (SCI: 21/89 in Energy & Fuels; **IF: 3.469**).
- (7) **Huan-Liang Tsai**, “Complete PV model considering its thermal dynamics, ” *Journal of the Chinese Institute of Engineers*, Vol. 36, No. 8, 2013, pp. 1073-1082, (SCI; 81/85 in Engineering, Multidisciplinary; **IF: 0.241**)