



Associate Professor

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### **Background**

- 2010-present Associate Prof., Dept. of Mechanical, Electrical and Electronic Eng., Shimane Univ.
- 2009 Associate Prof., Dept. of Electronic and Computer Eng., National Taiwan Univ., Taiwan
- 2001 Assistant Prof., Dept. of Electronic and Computer Eng., National Taiwan Univ., Taiwan.
- 2000 Doctor of Engineering (Physical Electronics)

### **Research**

High-precision processing of metal foils by cw laser diode, Single crystal growth of semiconductor thin films on glass substrate by cw laser diode, Thin-film semiconductor devices.

### **Key papers**

1. W. Yeh, T. Shirakawa, A. Pham, S. Morito, "Twin formation in micro-chevron laser beam scanning induced one directional crystal growth in Si film on SiO<sub>2</sub>", Jpn. J. Appl. Phys. (2020).
2. W. Yeh, S. Yamazaki, Ak. Ishimoto and S. Morito, "Single-grain growth in Si film by chevron-shaped cw laser beam scanning", APEX 9,025503(2015).
3. W. Yeh, A. Matsumoto, and K. Sugihara, "Sputter epitaxy of heavily doped p+/n+ Ge film on Si (100) by cosputtering with Al/Sb for solar cell application", Jpn. J. Appl. Phys. 54, 08KD08-1(2014).
4. W. Yeh, H. Chen, H. Huang, C. Hsiao, J. Jeng, "Superlateral Growth of a-Ge Film by Excimer Laser Annealing", Appl. Phys. Lett., vol.93, no. 9, pp.094103.1-094103.3, 2008