



Professor

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Background

2022-present	Professor, Dept. of Department of Physics and Materials Science, Shimane Univ.
2010	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 SiO₂", 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