

PATENTS

5,545,291	Method for Fabricating Self-Assembling Microstructures
5,625,617	Near-Field Optical Apparatus with a Laser Having Non-Uniform Emission Face
5,783,856	Method for Fabricating Self-Assembling Microstructures
5,824,186	Method and Apparatus for Fabricating Self-Assembling Microstructures
5,904,545	Apparatus for Fabricating Self-Assembling Microstructures
5,955,814	Single-Stage Dual-Band Low-Noise Amplifier for use in a Wireless Communication System Receiver
6,690,929	Dynamic quality-of-service and pricing in communication system

PUBLICATIONS

1. A Lee, M Lee, D Yeh, and HJJ Yeh, "Sensor-Integrated Chairs for Lower Body Strength and Endurance Assessment," *Sensors* 24(3), 788, 2024.
2. A Lee, M Lee, and HJJ Yeh, "An IoT-Based Automatic and Continuous Urine Measurement System," *BioMedInformatics* 3(2), 446-454, 2023.
3. W. Lee and H. -J. J. Yeh, "Real-Time Monitoring of Urine Output with Internet-of-Things Connected Foley Catheters," 2022 International Conference on Computational Science and Computational Intelligence (CSCI), Dec 14, 2022, Las Vegas, NV.
4. H. K. Dy and H. -J. J. Yeh, "Crowd-Funded Earthquake Early-Warning System," *2022 International Conference on Computational Science and Computational Intelligence (CSCI)*, Dec 14, 2022, Las Vegas, NV.
5. W. Cook, H. Felberg, J. Palos, N. and Yeh H, "IoT Natural Gas Pipeline Monitoring System," Abstract, 2nd International Conference on Innovative Intelligent Industrial Production and Logistics, Oct 2021.
6. Hsi-Jen James Yeh, Rick Sturdivant, Mark Stambaugh, and Alex Zahnd, "Prioritized Load Control System for Pico-Hydroelectric Power in the Nepal Himalayas," 2020 IEEE Green Technologies Conference (GreenTech 2020), Apr 1-3, 2020, Oklahoma City, OK.
7. **[SESSION CHAIR]** Hsi-Jen James Yeh, Craig Bartholio, Elyse Shackleton, Levi Costello, Matthew Perera, Kyle Yeh, and Chelsea Yeh, "Environmentally Embedded Internet-of-Things for Secondary and Higher Education," The 3rd International Conference on Information and Computer Technologies (ICICT 2020), Mar 9-12, 2020, San Jose, USA
8. Hsi-Jen James Yeh, Mark Stambaugh, Alex Zahnd, and Kyle Yeh, "IoT Sensing and Control Network for Pico-Hydroelectric in the Nepal Himalayas," *Proceedings of the 6th Annual Conf. on Computational Science & Computational Intelligence (CSCI'19)*, Symposium on Internet of Things & Internet of Everything (CSCI-ISOT), Dec 05-07, 2019, Las Vegas, Nevada
9. Alex Zahnd, Mark Stambaugh, Derek Jackson, Michael Lawley, James Yeh, and Micah Moyer, "Modular Pico-Hydro Power System for Remote Himalayan Villages," *Proceedings of the Solar World Congress*, Nov 4-7, 2019, Santiago, Chile
10. **[BEST PAPER]** Hsi-Jen James Yeh, Rick Sturdivant, Mark Stambaugh and Alex Zahnd, "Programmable Turbine Failsafe System for Pico-Hydroelectric Power in the Nepal Himalayas," *Proceedings of the IEEE Green Energy and Smart Systems Conference (IGESSC 2019)*, Nov 4-5, 2019, Long Beach, CA
11. Rick L. Sturdivant, James Yeh, Mark Stambaugh, Alex Zahnd, Nicholas Villareal, Charles K. Vetter, Justin D. Rohweller, Jacob F. Martinez, Jordan M. Ishii, Ryan A. Brown, Aaron M. Arkie, "IoT enabled pico-hydroelectric power with satellite backhaul for remote Himalayan villages," *Proceedings of the IEEE Radio and Wireless Conference, Topical Workshop On The Internet of Space*, Jan 14-17, 2018, Anaheim, CA.
12. R. Sturdivant, J. Yeh, M. Stambaugh, A. Zahnd, "Improving the utilization factor for islanded renewable energy systems," in *Proceedings of the Solar World Congress*, Abu Dhabi, UAE, Oct 29-Nov 2, 2017.
13. R. Sturdivant, J. Yeh, M. Stambaugh, A. Zahnd, "Sustainability as a characteristic of renewable energy systems in remote Himalayan villages," in *Proceedings of the Solar World Congress*, Abu Dhabi, UAE, Oct 29-Nov 2, 2017.
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25. H.-J.J. Yeh and J.S. Smith, "Fluidic self-assembly of microstructures and its application to the integration of GaAs on Si," Proc. IEEE Workshop on Micro Electro Mechanical Systems, Oiso, Japan, Jan. 25-28 (1994) Pp 279-284
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27. Hsi-Jen Yeh, "Applying Volume Holography to Artificial Neural Networks," California Institute of Technology Summer Undergraduate Research Fellowship (SURF) Report, 1987.