



Aquaponics Technology and Design Workshop

Fall 2012 Dates: October 2-6

Topics that will be covered during this 4 1/2-day workshop:

UVI Aquaponic System & UVI-Based System at Aquatic Eco-Systems

- System design and management
 - Aeration
 - Blower selection and sizing
 - Plumbing
 - Pump Selection
 - Total Dynamic Head (TDH)
 - Components
 - Construction techniques
 - Operation
 - Electric Cost

Fish Production

- Stocking rates
- Feeding, growth and survival
- Harvesting and processing
- Water quality
- Brood stock management
- Breeding
- Fry sex reversal

Marketing and Economics

Plant Production

- Seedling production
- Importance of pest identification with special guest Fred Pettitt of Walt Disney Parks & Resorts
- Disease and insect control
- Nutrient dynamics

Hands-On Instruction

- PVC work
- Pump setup and plumbing
- Plant grow tray construction
- Fish handling
- Water quality testing

Green Sky Growers Rooftop Greenhouse Tour

Behind-the-Scenes Tour of "The Land" at Epcot®

Presented by:



For more information about educational courses offered by Aquatic Eco-Systems, please email Ponics@AquaticEco.com.

To request your copy of the **AES Ponics** catalog, please call 877-347-4788 and select option 1.

Web: AquaticEco.com • **Email:** Ponics@AquaticEco.com • Aquatic Eco-Systems, Inc., 2395 Apopka Blvd. Suite 100, Apopka, FL 32703



Dr. James Rakocy

Dr. Rakocy is the Director of the University of the Virgin Islands (UVI) Agricultural Experiment Station and a Research Professor of Aquaculture. Known as the "Father of Aquaponics," Rakocy obtained his PhD in aquaculture from Auburn University in 1980. Since 1999 the UVI Aquaculture program has offered an International Course on Aquaponics and Tilapia Aquaculture.

"Teaching at the aquaponics course sponsored by Aquatic Eco-Systems (AES) was a real treat for me because AES employees have an incredible depth of experience and knowledge that they share with their students as they guide them through all phases of constructing and operating an aquaponic system to establish a successful hobby or business."

Dr. James Rakocy, "Father of Aquaponics"



Dr. Wilson Lennard

Dr. Lennard is a PhD graduate from RMIT University in Australia with 10 years of practical commercial aquaponics experience and knowledge. He is skilled in research and engineering and has experience in associated aquatic disciplines. His professional scientific career spans almost 20 years.

Dr. Fred Pettitt

Dr. Pettitt is the Agricultural & Water Sciences Director for Walt Disney Parks & Resorts. He joined Epcot® during its construction phase and worked to turn *The Land* pavilion from vision into reality. Pettitt's work at Disney has resulted in over 50 scientific publications and presentations. He has a PhD degree from the University of Florida.

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Testimonials from Workshop Attendees:

"This workshop was great! It was very professional and well-organized. Presenters were very informative, the meals were great and the AES staff were awesome in every way. This far exceeded my expectations."

"The staff was unbelievable! I loved that the aquaponics system was on-site for demonstration purposes. I will be setting up my system immediately and I will have access to the parts and technical assistance I will need."

"The staff and presenters were top notch. They were all extremely friendly and more than willing to help at any time. I would attend another AES workshop without hesitation."

"I enjoyed the in-depth explanation and technical review of the aquaponics system. I would absolutely recommend this workshop to a friend or colleague."

"As I start my project and even in future operations, I appreciate that there is a great level of support offered by AES."

Workshop Extras:

- Training manual, a CAD drawing for the AES Aquaponics System and PowerPoint presentations.
- Lunch provided during full-day sessions.
- Banquet dinner for attendees.
- Face time and Q&A with the presenters and AES staff.

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