



@ AQUACULTURE 2025

SPECIAL WORKSHOP

RAS FUNDAMENTALS

Topic	Speaker	Affiliation
Elements of Today's RAS (Intro)	Bert Wecker	Oceanloop (Germany)
RAS Design: Mass Balances	Mike Timmons	Cornell University (USA)
Fish Tank Design & Selection	Ed Aneshansley	EdA Aquatics (USA)
Solids Control	German Merino	University Catholica Norte (Chile)
Oxygenation	David Kuhn	Virginia Tech (USA)
Carbon Dioxide Control	Brian Vinci	Freshwater Institute (USA)
Biofiltration	Sharada Navada	NTNU (Norway)
Denitrification	Snir Azaria	Inland Ocean (Israel)
Ozonation	Katie Spiliotopoulou	OxyGuard International A/S (Denmark)
Heating and Chilling	Devin Murray	Delta Hydronics (USA)
Piping Design	Carlos Espinal	Landing Aqua (the Netherlands)

ADVANCES IN RAS

Presentation Title	Speaker
Olive Flounder Performance in RAS	Andrew Ray
Spawning and Early Life Cycle for Striped Bass in RAS	Steve Hall
Indoor Land-Based Shrimp Farming	Bert Wecker
Algae-based RAS for Shrimp	Matt Ellis
FiletCam 2.0: AI Tool for Fillet Quality Assessment	Rakesh Ranjan
Anaerobic Digestion of RAS Waste	Abhinav Choudhury
RAS Water Disinfection with Low-Dose Peracetic Acid	Chris Good
Sources of Off-flavor Production in RAS	John Davidson
Objective Evaluation of Off-Flavor Mitigation Technologies	Matthew Stromberg
FloNergia FloMov Alma Airlift Study	Josh Rosettani
iMCR: A new Paradigm in RAS Design	Mike Timmons
Evaluation of a Novel Water Treatment Technology for BOD, TSS and Phosphorous Removal	German Merino