



USSEC-AIT Workshop on In-Pond Raceway System (IPRS) 5 October, 8.30 AM to 1.30 PM AIT Conference Centre



- In-Pond Raceway System (IPRS) is an advanced aquaculture production system developed at Auburn University, Alabama, USA and promoted in many parts of the world by the United States Soybean Export Council (USSEC).
- Raceways are enclosed channels with high water flow rates that support high densities of fish. The system enables high fish stocking densities and high production, improved water quality, enhanced food safety, reduced manpower, ease of feeding and harvesting, better disease management, and better management of effluents from aquaculture systems.
- In-Pond Raceway System (IPRS) creates a healthier environment with a riverine flow for fish and shrimp in pond raceways while greatly reducing the environmental impact. The system protects water quality by removing waste and recycling it for other uses, such as fertilizer. This helps to reuse the pond water and to significantly conserve limited water resources.
- IPRS was first promoted outside the USA, in China's Jiangsu Province in 2013 by USSEC through a demonstration project. Together with the use of high protein soy-based feed, the IPRS demonstration achieved notable success in tripling yields, better fish performance, fish health and meat quality.
- The IPRS technology is helping aquaculture producers to address environmental and food safety concerns in China and in a few other major aquaculture-producing nations – notably in Vietnam, and India.
- To support the expansion of IPRS technology, USSEC's Aquaculture Program provides on-site technical services and training seminars, and organizes visiting teams to well-operated IPRS units.
- This Workshop is organized by USSEC and hosted by the Aquaculture Program of AIT as the first such event in Thailand.
- The IPRS Technology will be tested in Thailand by a few demonstration projects which will showcase the success of this technology to improve production and quality of fish produced.

Resource persons

- Dr. Jesse A. Chappel is Associate Professor at the School of Fisheries, Aquaculture and Aquatic Sciences, College of Agriculture, Auburn University. He has been involved with promoting the IPRS technology to different parts of the world.
- Dr. Lukas Manomaitis is Technical Director to the Aquaculture Program of USSEC in Southeast Asia. He has been the Regional Manager for Asian subcontinent and Southeast Asia since USSEC established its Southeast Asia Aquaculture program in 2002.
- The Workshop is attended by Thai Aquaculture industry representatives – aqua-farms, hatcheries, feed mills, producers of chemicals and supplements, researchers, students, etc.
- Nearly 170 delegates have registered for this Workshop.



Program

- 0800 – 0830 Registration**
- 0830 – 0845 Introduction to USSEC-SEA Aquaculture by Lukas Manomaitis, Technical Director.**
- 0845 – 0900 Introduction on AIT Aquaculture by Dr. Salin Krishna, AARM, AIT**
- 0900 – 0915 Opening Remarks by Dr. Eden Y. Woon, President, AIT**
- 0915 – 1030 'IPRS development - Introduction to Thailand' by Dr. Jesse Chappell, Auburn University, USA**
- 1030 – 1045 Coffee Break**
- 1045 – 1200 Presentation by Dr. Jesse Chappell – Cont'd**
- 1200 – 1230 Questions and Answers**
- 1230 – 1330 Lunch and end of program.**