

SEAFOOD PROCESSING WASTEWATER & BY-PRODUCT RECOVERY CONFERENCE AGENDA

April 1, 2019	
07:00 am to 08:00 am	Breakfast, Welcome
08:00 am to 09:45 am	Session 1: New and Emerging Technologies for Wastewater Treatment. (Christina DeWitt, Moderator)
<i>08:00 am to 08:30 am</i>	<ul style="list-style-type: none"> • <i>New method for recovering solids without polymers.</i> Alan Ismond, Aqua-terra Consultants
<i>08:30 am to 09:00 am</i>	<ul style="list-style-type: none"> • <i>Suspended solids removal for wastewater applications.</i> Kathleen Kelleher, Amiad
<i>09:00 am to 09:30 am</i>	<ul style="list-style-type: none"> • <i>Recovery of wastewater solids using natural flocculants.</i> Tyre Lanier, North Carolina State University (<i>by remote connection</i>)
<i>09:30 am to 09:45 am</i>	<ul style="list-style-type: none"> • <i>PANEL DISCUSSION</i>
09:45 am to 10:00 am	Break
10:00 am to 12:00 pm	Session 2: Product and By-Product Recovery (Jung Kwon, Moderator)
<i>10:00 am to 10:30 am</i>	<ul style="list-style-type: none"> • <i>How to perform a plant audit.</i> Alan Ismond, Aqua-terra Consultants
<i>10:30 am to 11:00 am</i>	<ul style="list-style-type: none"> • <i>By-product recovery with centrifugation.</i> David Cifuentes, Flottweg
<i>11:00 am to 11:30 am</i>	<ul style="list-style-type: none"> • <i>Maximizing product recovery to minimize wastewater pollution.</i> Steve Hammer, SLR
<i>11:30 am to 12:00 am</i>	<ul style="list-style-type: none"> • <i>PANEL DISCUSSION</i>
12:00 pm to 01:00 pm	Lunch
01:00 pm to 02:45 pm	Session 3: Obstacles to Product and By-Product Recovery – Physical and Regulatory. (Angee Hunt, Moderator)
<i>01:00 pm to 01:30 pm</i>	<ul style="list-style-type: none"> • <i>The challenge of by-product recovery without chemicals.</i> Alan Ismond, Aqua-terra Consultants
<i>01:30 pm to 02:00 pm</i>	<ul style="list-style-type: none"> • <i>Keeping ahead: from concept to sustainable marketing.</i> Jim Brackins, Pacific Gro
<i>02:00 pm to 02:30 pm</i>	<ul style="list-style-type: none"> • <i>The effect of regulation on by-product recovery.</i> Steve Hammer, SLR
<i>02:30 pm to 02:45 pm</i>	<ul style="list-style-type: none"> • <i>PANEL DISCUSSION</i>
02:45 pm to 03:00 pm	Break - Transfer to Conference Hotel, Holiday Inn Express
03:00 pm to 05:00 pm	Session 4: Trade Show, Mini-Talks and Reception.
<i>03:00 pm</i>	<ul style="list-style-type: none"> • <i>Measuring chlorine and ammonia for NPDES 900-J general permits for seafood processing.</i> Steve Hoatson and Zach Mandera, Oregon DEQ Lab
<i>04:00 pm</i>	<ul style="list-style-type: none"> • <i>Instruments and tools for by-product recovery auditing.</i> Alan Ismond, Aqua-Terra Consultants
Evening	Dinner on your own

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April 2, 2019	
08:00 am to 09:00 am	Breakfast
09:00 am to 09:45 am	Session 5: Round Table: Existing Markets for Product and By-Products. (Alan Ismond, Moderator) <ul style="list-style-type: none"> • West Coast Reduction Douglas Davidson • BioOregon Protein Rocky Caldero - Pacific BioProducts, Newport Dan Humphries – BioOregon Protein, Warrenton • Pacific Gro Jim Brackins
09:45 am to 10:00 am	Break
10:00 am to 12:00 pm	Session 6: Emerging Trends in By-Product Recovery. (Christina DeWitt, Moderator) <ul style="list-style-type: none"> • <i>Adding value to solid and liquid seafood by-products – a Swedish perspective.</i> Ingrid Undeland, University of Chalmers, Göteborg, Sweden (speaker on a remote connection). • <i>Sustainable recovery of biomass from seafood processing water.</i> Bitu Forghani Targhi, University of Chalmers, Göteborg, Sweden (speaker on a remote connection). • <i>Discardless: strategies for the gradual elimination of discards in European fisheries 2015-2019 EU project.</i> Michael Morrissey, OSU emeritus, Oregon State University • PANEL DISCUSSION
<i>10:00 am to 10:30 am</i>	
<i>10:30 am to 11:00 am</i>	
<i>11:00 am to 11:30 am</i>	
<i>11:30 am to 12:00 pm</i>	
12:00 pm to 01:00 pm	Lunch
01:00 pm to 02:45 pm	Session 7: Emerging Trends in By-Product Recovery Regional Seafood Lab Program Updates. (Christina DeWitt, Moderator) <ul style="list-style-type: none"> • <i>Utilization of nano-scale fish bone.</i> Angee Hunt, M.S., Oregon State University • <i>Screening for bioactive compounds in seafood products.</i> Jung Kwon, Oregon State University • <i>Development of value-added marked opportunities for roe and milt.</i> Christina DeWitt, Oregon State University • PANEL DISCUSSION
<i>01:00 pm to 01:30 pm</i>	
<i>01:30 pm to 02:00 pm</i>	
<i>02:00 pm to 02:30 pm</i>	
<i>02:30 pm to 02:45 pm</i>	
02:45 pm to 03:00 pm	Break – Transfer to Conference Hotel, Holiday Inn Express
03:00 pm to 05:00 pm	Session 8: Trade Show, Mini-Talks and Tour. <ul style="list-style-type: none"> • <i>Plant Auditing Tool Box</i> Alan Ismond, Aqua-Terra Consultants • <i>Tour of OSU Seafood Lab</i>
Evening	Dinner on your Own

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April 3, 2019	
08:00 am to 09:00 am	Breakfast
09:00 am to 09:30 am <i>09:00 am to 09:20 am</i>	Session 9: Product and By-Product Recovery–Case Studies. (Jung Kwon, Moderator) <ul style="list-style-type: none"> • <i>Federal Regulations and Unintended Consequence.</i> Alan Ismond, Aqua-terra Consultants, Washington
09:20 am to 09:30 am	Break
09:30 am to 12:00 pm <i>09:30 am to 10:20 am</i> <i>10:20 am to 10:40 am</i> <i>10:40 am to 11:10 am</i> <i>11:10 am to 11:30 am</i> <i>11:30 am to 12:00 pm</i>	Session 10: Emerging Trends in Seafood Processing Wastewater Regulations. (Christina DeWitt, Moderator) <ul style="list-style-type: none"> • <i>Oregon state – Overview of Oregon’s permitting.</i> Tiffany Yelton-Bram, Water Quality Source Control Manager, Oregon Department of Environmental Quality David Feldman, Senior Permit Writer, Oregon Department of Environmental Quality • <i>Alaska state – Brief updates on permitting issues.</i> Clynda Case, Division of Water – Seafood & Aquaculture Wastewater Permitting. Alaska Department of Environmental Conservation (speaker on a remote connection). Jackie Ebert, Division of Water – Seafood & Aquaculture Wastewater Permitting. Alaska Department of Environmental Conservation (speaker on a remote connection). • <i>EPA – NPDES permitting and water quality-based NPDES permit limits and requirements.</i> Karen Burgess, NPDES Permit Unit, Region 10 <i>EPA – Discharges from vessels in federal waters and EPA’s ELG development program and process for updating ELGs.</i> Joseph Ziobro, NPDES Permit Unit, Region 10 • <i>British Columbia Perspectives.</i> Alan Ismond, Aqua-terra Consultants <p style="text-align: center;">Round Table Discussion</p>
12:00 pm	Lunch, to go boxes