

Program Schedule

NOTE: Abstracts can be found at <http://aquacultureassociation.ca/product/aquaculture-canada-2019-conference-and-tradeshow/>

SUNDAY, May 5			
6:00 - 7:00 pm	CANCELLED Keynote Speaker - Chief Robert (Bob) Chamberlin		
7:00 - 9:00	President's Reception		
MONDAY, May 6			
8:15 - 8:40	Opening Ceremonies Joanne Liutkus, <i>Aquaculture Association of Canada President</i> , First Nations blessing, Fisheries and Oceans Canada Representative, Honorable Lana Popham, <i>Minister, BC Ministry of Agriculture and Lands</i> , Tim Kennedy, <i>Executive Director, Canadian Aquaculture Industry Alliance</i> , John Paul Fraser, <i>Executive Director, British Columbia Salmon Farmers Association</i>		
8:40 - 9:40	Keynote Speaker - Valerie Robitaille, XPertSea		
9:00 - 5:00	Tradeshow		
9:40 - 10:20	Nutrition Break		
	SALON C	SIDNEY	SALON B
10:20 - 10:30	Advances in Aquaculture Technology	Aquaculture Environmental Management	Integrated Pest Management
10:30 - 10:50	Somani - COMPREHENSIVE BENEFITS OF DEEPCHILL COOLING FOR SUPERIOR PRESERVATION AND YIELD GAIN IN SHRIMPS	Armstrong - SUPERVISED CLASSIFICATION OF BACTERIAL eDNA DATA IN THE DEVELOPMENT OF A BENTHIC MONITORING PIPELINE	Downey - BIOASSAYS AS PART OF A SEA LICE MANAGEMENT PLAN
10:50 - 11:10	White - TARGETED DELIVERY FOR AQUACULTURE WITH MUCOADHESIVE NANOPARTICLE PLATFORM	Reid - EVOLUTION OF A FRAMEWORK TO FOSTER RESPONSIBLE AQUACULTURE EXPANSION IN NOVA SCOTIA	Morrison - ACHIEVING INTEGRATED SEA LICE MANAGEMENT IN BRITISH COLUMBIA
11:10 - 11:30	Hoffmann - SIMULTANEOUS DETECTION OF MOISTURE, FAT AND PROTEIN IN WHITE FLESH COMBINED WITH THE DETECTION OF MICROBIOLOGY COMPOSITION OF WHITE FISH, USING A HANDHELD NIR SCANNER	Richardson - ENVIRONMENTAL MONITORING TO ENSURE SUSTAINABLE MARINE AQUACULTURE IN NOVA SCOTIA	Parent - MAKING THE CONNECTION: INVESTIGATING SALMON LICE (<i>Lepeophtheirus salmonis</i>) INFESTATION AT MULTIPLE SALMON (<i>Salmo salar</i>) FARMS IN BAY OF FUNDY, NEW BRUNSWICK
11:30 - 11:50	Ndiaye - THE ACCURACY OF DUAL-ENERGY X-RAY ABSORPTIOMETRY (DXA) TO ASSESSES RAINBOW TROUT (<i>Onchorhynchus mykiss</i>) PROXIMATE COMPOSITION AND DIET PHOSPHORUS RETENTION.	Finnis - EVALUATING ECOSYSTEM-LEVEL EFFECTS OF FINFISH AQUACULTURE USING MACROINVERTEBRATES IN COASTAL NOVA SCOTIA	Deligan - OPTILICE - THE ENVIRONMENTALLY FRIENDLY WAY TO TREAT SEA LICE
11:50 - 12:10	Giroux - REMOTE SENSING ANALYSIS OF RIVER HABITAT FOR THE ATLANTIC SALMON IN THE INNER BAY OF FUNDY	Balch - ENHANCED BIOPHYSICAL DATA COLLECTION AND MODELLING TO SUPPORT AQUACULTURE DEVELOPMENT IN NOVA SCOTIA	Gallardi - IMPACT OF ORIGIN (WILD VS. FARMED) AND SEA LICE (<i>Lepeophtheirus salmonis</i>) INFESTATION ON EXPRESSION OF IMMUNE-RELEVANT GENES IN ATLANTIC SALMON (<i>Salmo salar</i>) SKIN
12:10 - 12:30	Grant - AQUACULTURE AND THE INTERNET OF THINGS	Howarth - APPLYING THE ECOSYSTEM APPROACH TO AQUACULTURE: MAPPING THE FOOTPRINT OF MULTIPLE EFFLUENTS AT A BAY-WIDE SCALE	Kniffen - THE EVALUATION & EVOLUTION OF SLICE® TREATMENTS AS A COMPONENT OF AN INTEGRATED PEST MANAGEMENT (IPM) PROGRAM
12:30 - 1:40	Lunch - On Own		

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	SALON C	SIDNEY	SALON B
1:40 - 1:50	Advances in Aquaculture Technology	Aquaculture Environmental Management	Integrated Pest Management
1:50 - 2:10	Matei - AQUACULTURE SEAWATER OXYGENATION SYSTEM (ASOS) DRIVEN BY SUSTAINABLE RENEWABLE ENERGY	Koepke - COUPLING WATER COLUMN ORGANIC MATTER WASTE DISPERSAL AND SEDIMENT DIAGENESIS MODELLING IN THE FINFISH AQUACULTURE ENVIRONMENT	Marin - ELUCIDATING THE MODE OF ACTION FOR NOVEL LOUSICIDES; THE EFFECTS OF LUFENURON ON REPRODUCTIVE PARAMETERS OF <i>Caligus Rogerresseyi</i> UNDER LABORATORY CONDITIONS
2:10 - 2:30	Suwala - ADVANCES IN SATELLITE EARTH OBSERVATION DATA ANALYTICS FOR AQUACULTURE	Sandberg - PUBLIC REPORTING OF THE MARINE FINFISH AQUACULTURE INDUSTRY IN BRITISH COLUMBIA	McConnachie - FEDERAL REGULATORY ROLE IN INTEGRATED SEA LICE MANAGEMENT FOR BC SALMON AQUACULTURE
2:30 - 2:50	Barreda - REGULATION OF FISH IMMUNITY THROUGH DYNAMIC TEMPERATURE CONTROL	Jepps - DEVELOPMENT OF AN AREA BASED AQUACULTURE MANAGEMENT APPROACH IN THE PACIFIC REGION	Jones - FACTORS INFLUENCING VARIATION IN SALMON LOUSE (<i>Lepeophtheirus salmonis</i>) ABUNDANCE ON FARMED ATLANTIC SALMON (<i>Salmo salar</i>) IN BRITISH COLUMBIA CANADA
2:50 - 3:20	Break		
3:20 - 3:30	Aquatic Animal Nutrition	Aquaculture Sustainable Development	Aquatic Animal Health
3:30 - 3:50	Galloway - A FUNCTIONAL DIETARY SUPPLEMENT TO SUPPORT FISH SKIN AND SCALE INTEGRITY	Weitzman - A NEW AGENDA TO CARRYING CAPACITY IN SUPPORT OF THE ECOSYSTEM APPROACH TO AQUACULTURE	Braceland - PRE-ANALYTICAL AND ANALYTICAL EFFECTS ON CLINICAL BIOCHEMISTRY
3:50 - 4:10	Gourtay - SEASONAL RESPONSE TO SALINITY AND NUTRITIONAL FATTY ACIDS IN JUVENILE STRIPED BASS (<i>Morone saxatilis</i>)	Marrie - MARINE PLASTIC DEBRIS: IMPROVING SHELLFISH AQUACULTURE ENVIRONMENTAL PERFORMANCE IN BRITISH COLUMBIA	Marshall - VARIATION IN RESPONSE OF ATLANTIC SALMON TO EXPOSURE AND EARLY STAGES OF INFECTION OF <i>Kudoa thyrsites</i> UNDER NATURAL EXPOSURES AT COMMERCIAL SITES.
4:10 - 4:30	Benitez-Santana - HEALTH AND FLESH QUALITY OF ATLANTIC SALMON (<i>Salmo salar</i>) FED A MODERN LOW FISHMEAL DIET SUPPLEMENTED WITH ANTARCTIC KRILL (<i>Euphausia superba</i>)	McKee - HABITAT SUITABILITY MAPPING FOR THE AMERICAN LOBSTER (<i>Homarus americanus</i>)	Loerzer - BIOFOULING COMMUNITIES ON ATLANTIC SALMON (<i>Salmo salar</i>) FARM NETS: EXPLORING LINKS TO FISH GILL HEALTH
4:30 - 4:50	Jennsen - ARTIFICIAL INTELLIGENCE IN RELATION TO FEEDING TECHNOLOGY DEVELOPMENTS	Tremblay - INITIATIVES TO SUPPORT THE DEVELOPMENT OF A SUSTAINABLE AQUACULTURE INDUSTRY IN NOVA SCOTIA	Braceland - QUANTITATIVE ATLANTIC SALMON HEALTH (QASH): BENCHMARKING HEALTH STANDARDS FOR A GLOBAL INDUSTRY
4:50 - 5:10	van den Herik - NOVEL SALMONID FEEDS FOR FASTER GROWTH AND REDUCED MARINE INGREDIENT DEPENDENCY	Choi - FISHERIES AND AQUACULTURE CLEAN TECHNOLOGY ADOPTION PROGRAM: IMPROVING AQUACULTURE SUSTAINABILITY IN BRITISH COLUMBIA	Koziol - FORMULATION OF A SALMONICIDA ADJUVANTED VACCINE FOR RAINBOW TROUT: IMPACT OF THE ADJUVANT OIL ORIGIN
5:10 - 5:30		Gawa - AN ECONOMICS ANALYSIS OF RESERVOIR FISH FARMING (RE-INVENTED PEN CULTURE SYSTEM) - A CASE STUDY OF KANKE RESERVOIR IN JHARKHAND, INDIA	Mitchell - THE USAGE OF SOCIAL MEDIA TO INFLUENCE THE GENERAL PUBLIC ON AQUATIC ANIMAL HEALTH

Program Schedule

4:30 - 6:00	Poster Session - Authors in Attendance		
6:30 - 11:00	Dr. Joe Brown BBQ and Live Auction - Distrikt Bar		
TUESDAY, May 7			
9:00 - 5:00	Tradeshow		
8:15 - 8:30			Powell - INTRODUCTION - COLLABORATIONS ON THE COAST 2019
8:30 - 9:30	Keynote Speaker - Kim Thompson, Aquarium of the Pacific		
9:30 - 10:00	Nutrition Break		
	SALON C	SIDNEY	SALON B
10:00 - 10:10	Genomics in Aquaculture	Moving aquaculture towards higher sustainability through production of lower trophic level species and new approaches	BCSFA Collaborations on the Coast
10:10 - 10:30	Crown - POLYGENIC NATURE OF GENOMIC LOCI ASSOCIATED WITH EARLY MATURATION IN TWO PACIFIC SALMONIDS, COHO SALMON (<i>Oncorhynchus kisutch</i>) AND CHINOOK SALMON (<i>Oncorhynchus tshawytscha</i>).	Byrne - KELP AQUACULTURE PILOT PROJECTS WITH FIRST NATION-OWNED COMPANIES	Pearsall - SALISH SEA MARINE SURVIVAL PROGRAM - OUTCOMES
10:30 - 10:50	Caballero-Solares - THREE-YEAR OUTCOMES FROM THE INTEGRATED PATHOGEN MANAGEMENT OF CO-INFECTION IN ATLANTIC SALMON (IPMC) PROJECT	Pearce - JUVENILE GEODUCK (<i>Panopea generosa</i>) PREDATOR PROTECTION WITH TUBES: ASSESSING EFFECTS OF TUBE DIAMETER, LENGTH, AND MESH SIZE ON GROWTH AND SURVIVORSHIP	Rechisky - ACOUSTIC TAGGING - INTERACTIONS OF WILD SALMON WITH FISH FARMS IN DISCOVERY ISLANDS
10:50 - 11:10	Ignatz - REARING TEMPERATURE'S EFFECT ON GROWTH PERFORMANCE, IMMUNE RESPONSE AND HEPATIC GENE EXPRESSION OF TRANSGENIC FEMALE TRIPLOID ATLANTIC SALMON (<i>Salmo salar</i>)	Tremblay - IMPROVING SCALLOP (<i>Pecten maximus</i> AND <i>Placopecten magellanicus</i>) SPAT PRODUCTION BY INITIAL LARVAE SIZE, STOCKING DENSITY AND HYDRODYNAMIC CUES USED IN NURSERY SYSTEM	Shaw - MONITORING STOMACH CONTENT OF FARM-RAISED SALMON IN BC
11:10 - 11:30	Roberts - EPIGENETIC VARIATION IN SHELLFISH AND IMPLICATIONS FOR AQUACULTURE	Warren - EFFECTS OF A PREPARED DIET AND KELP ON GONAD ENHANCEMENT IN THE GREEN (<i>Strongylocentrotus droebachiensis</i>) AND RED (<i>S. franciscanus</i>) SEA URCHINS	Powell - QUESTIONS / DISCUSSION
11:30 - 11:50	Rondeau - ADVANCES IN NON-MODEL SALMONID GENOMIC RESOURCES	Jacques - EFFECTS OF STOCKING DENSITY ON AGGREGATION, FEED CONSUMPTION, AND ROE YIELD OF GREEN SEA URCHIN (<i>Strongylocentrotus droebachiensis</i>) IN A TIERED RACEWAY SYSTEM	Jia - PATHOGEN BASELINE SURVEY - BC COASTAL REGION
11:50 - 12:10	Sheehan - GENOMICS GURUS TO GROUNDWORK GRUNTS	Curtis - ASSESSING SHELLFISH TRANSFERS AS A VECTOR FOR THE EUROPEAN GREEN CRAB (<i>Carcinus maenas</i>) AND THE EFFECTIVENESS OF POWER-WASHING TO MITIGATE MOVEMENT	Jones - INVESTIGATIONS IN GILL HEALTH

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12:10 - 1:20	Lunch - On Own		
	AAC AGM and Lunch (members only) - Colwood Room		
	SALON C	SIDNEY	SALON B
1:20 - 1:30	Genomics in Aquaculture	Moving aquaculture towards higher sustainability through production of lower trophic level species and new approaches	BCSFA Collaborations on the Coast
1:30 - 1:50	Eslamloo - PROFILING THE HEAD KIDNEY TRANSCRIPTOME RESPONSE OF ATLANTIC SALMON (<i>Salmo salar</i>) TO FORMALIN-KILLED <i>Renibacterium salmoninarum</i>	Zeinert - USE OF THE CARIBBEAN SPIDER CRAB (<i>Mithrax spinosissimus</i>) FOR BIOFOULING REMOVAL ON MARINE AQUACULTURE CAGES	Farrell - PRV - FITNESS IN SOCKEYE SALMON
1:50 - 2:10	Lacoursière - THE POTENTIAL OF eDNA TO IMPROVE AQUACULTURE ENVIRONMENTAL MONITORING	Guyonnet - NUTRIENT LOADING MITIGATION POTENTIAL OF BIVALVE AQUACULTURE	Polinski - PRV - ENVIRONMENTAL RESERVES
2:10 - 2:30	Braden - CHARACTERIZING THE HOST-PARASITE INTERACTOME IN THE SALMON-LOUSE RELATIONSHIP	Filgueira - MUSSELS OR TUNICATES: THAT IS THE QUESTION. EVALUATING EFFICIENT AND SUSTAINABLE RESOURCE USE BY LOW-TROPHIC SPECIES IN AQUACULTURE SETTINGS	Siah - PRV AND RESIDENT WILD SPECIES AROUND SALMON FARMS
2:30 - 2:50	Cai - TRANSCRIPTOMIC PROFILES OF SKIN SAMPLES OF ATLANTIC SALMON (<i>Salmo salar</i>) DURING SEA LICE (<i>Lepeophtheirus salmonis</i>) AND INFECTIOUS SALMON ANEMIA VIRUS (ISAV) CO-INFECTION	Poirier - CRUSTACEAN PREDATION ON VULNERABLE SIZED CULTURED OYSTERS (<i>C. virginica</i>) IN ATLANTIC CANADA	Powell - QUESTIONS / DISCUSSION
2:50 - 3:20	Nutrition Break		
3:20 - 3:30	Trade Show Participants Presentations	Moving aquaculture towards higher sustainability through production of lower trophic level species and new approaches	BCSFA Collaborations on the Coast
3:30 - 3:50		Raap - IMPACTS OF MICROPLASTICS ON THE CELLULAR PHYSIOLOGY AND HEALTH OF THE PACIFIC OYSTER (<i>Crassostrea gigas</i>)	Neville - GULF OF ALASKA SALMON EXPEDITION
3:50 - 4:10		Green - 2018 SUMMER MORTALITY EVENT OF PACIFIC OYSTERS IN BAYNES SOUND IS LINKED TO A SEAWATER TEMPERATURE SPIKE AND INFECTION WITH <i>Vibrio</i> sp.	Jones - COMPARATIVE SUSCEPTIBILITY TO SEA LICE AMONG SALMON SPECIES IN THE NORTH PACIFIC
4:10 - 4:30		Cowan - PACIFIC OYSTER SUMMER MORTALITY IN BAYNES SOUND: INFLUENCE OF ENVIRONMENTAL VARIABLES, SOMATIC/GONADAL DEVELOPMENT, AND PATHOGENS	4:10 - 4:20 : Johnson - INVESTIGATIONS OF PERCH HEALTH PROFILE IN CONSIDERATION AS A CLEANER FISH IN BC; 4:20 - 4:30: Powell - CLOSING WORKSHOP REMARKS

Program Schedule

	SALON C	SIDNEY	SALON B
4:30 - 4:50	Trade Show Participants Presentations	Green - TRANSGENERATIONAL PLASTICITY AND ANTIVIRAL IMMUNITY IN THE PACIFIC OYSTERS (<i>Crassostrea gigas</i>) AGAINST OSTREID HERPESVIRUS 1	
4:50 - 5:10		Desrosiers - DEVELOPMENT OF TTI-LABELS INDICATING RISK OF VIBRIO GROWTH IN FRESH MOLLUSCAN SHELLFISH FOR HUMAN CONSUMPTION	
7:00 - 10:00	Gala Dinner (Cash Bar 7:00, Dinner 7:30) - Salon B (includes presentation of AAC Research Award of Excellence Award)		
WEDNESDAY, May 8			
9:00 - 11:00	Tradeshow		
8:35 - 8:45	Trade Show Participants Presentations	Certifications	CAIA Youth Council Workshop (All delegates welcome)
8:45 - 9:05		Garforth - AQUACULTURE STANDARDS AND CERTIFICATION- CAN WE DO A BETTER JOB?	Young people matter: How can Canada's aquaculture sector spark more entrepreneurship and innovation?
9:05 - 9:25		Mullen-Ley - RESULTS FROM AN AQUACULTURE STEWARDSHIP COUNCIL SURVEY EVALUATING THE BENEFITS OF CERTIFICATION TO THE ENVIRONMENT, COMMUNITY AND FARMERS	
9:25 - 9:45		Corpron - BEST AQUACULTURE PRACTICES - PROGRAM INNOVATIONS	Young people matter: How can we better engage young people in Canada's aquaculture sector?
9:45 - 10:05		Hamel - EMPOWERING SALMON FARMERS: ACHIEVING ASC SUCCESS THROUGH ACCOUNTABILITY	
10:05 - 10:30	Nutrition Break		
10:30 - 10:50	Trade Show Participants Presentations	McLaren - THE BENEFITS, CHALLENGES AND FUTURE TRENDS OF AQUACULTURE CERTIFICATION	Young people matter: We need your help! Interactive brainstorming session on Canadian aquaculture mentorship program
10:50 - 11:10		Kniffen - Aqua Care365®: A PRACTICAL APPROACH TO ADVANCING FISH CARE & FISH WELFARE	Young people matter: We need your help! Interactive brainstorming session on Canadian aquaculture mentorship program
11:10 - 11:30		Steinke - UNDERSTANDING ISO16488 - AN INTERNATIONAL STANDARD FOR THE DESIGN AND OPERATION OF MARINE FIN-FISH FARMS. IS IT RIGHT FOR CANADIAN PRODUCERS?	
11:30 - 11:50		Certifications PANEL DISCUSSION	
12:30 - 1:30	Student Awards Lunch (Student Presenters and Supervisors) and AAC BOD 12:30-1:30pm - Colwood Room		

Program Schedule

POSTERS:
Cervello, G.: ANTHROPOGENIC SOUND EFFECTS ON LARVAL DEVELOPMENT AND SETTLEMENT OF BIVALVE AQUACULTURE SPECIES
<u>Chau, J.</u> : USING AIRLIFT PUMP IN BIOREACTOR APPLICATION
<u>Crown, M.</u> : POLYGENIC NATURE OF GENOMIC LOCI ASSOCIATED WITH EARLY MATURATION IN TWO PACIFIC SALMONIDS, COHO SALMON (<i>Oncorhynchus kisutch</i>) AND CHINOOK SALMON (<i>Oncorhynchus tshawytscha</i>).
Darajat, S.: BEST AQUACULTURE PRACTICES FOR SEAWEED CULTURE (<i>Kappaphycus spp</i>) IN SOUTH SULAWESI, INDONESIA
<u>Kano, Y.</u> : THE FEASIBILITY OF YOGURT AS A PARTIAL SUBSTITUTION OF MICROALGAE FOR THE EASTERN OYSTER (<i>Crassostrea virginica</i>) JUVENILE
Kozioł, M.: FORMULATION OF A. SALMONICIDA ADJUVANTED VACCINE FOR RAINBOW TROUT : IMPACT OF THE ADJUVANT OIL ORIGIN
Leadbeater, S.: VARIABILITY IN TANK SCALE SEA LICE INFECTION MODELS – ISSUES AND SOLUTIONS.
Matei, J.: AQUACULTURE SEAWATER OXYGENTION SYSTEM (ASOS) DRIVEN BY SUSTAINABLE RENEWABLE ENERGY
Nowlan, J.: EFFECTS OF STARVATION AND CHLOROQUINE ON AUTOPHAGY GENE EXPRESSION IN RAINBOW TROUT (<i>Oncorhynchus mykiss</i>) CELL LINES.
<u>Rector, M.</u> : EVALUATING ECOCERTIFICATION STANDARDS FOR ATLANTIC SALMON (<i>Salmo salar</i>)
Shartau, R.: PHYSIOLOGICAL AND TRANSCRIPTOMIC RESPONSE OF JUVENILE CHINOOK AND ATLANTIC SALMON EXPOSED TO MICROCYSTINS: AN INVESTIGATION INTO THE ETIOLOGY OF NET-PEN LIVER DISEASE
<u>Thi Ha To</u> : INTESTINAL ABSORPTION OF METHIONINE IN RAINBOW TROUT (<i>Oncorhynchus mykiss</i>)
<u>Zhou, M.</u> : ALTERNATIVE BAIT FOR SNOW CRABS (<i>Chionecetes Opilio</i>) AND AMERICAN LOBSTERS (<i>Homarus Americanus</i>) TO IMPROVE THE SUSTAINABILITY OF CRUSTACEAN FISHERIES, AND INSIGHTS ON FEED ATTRACTANTS FOR CULTURED LOBSTERS