

Conference Schedule

Thursday, Jan 3, 2019	
16:00-19:30	Registration (2 nd floor foyer)
16:00-18:00	Panel Discussion: Tips to get a job in Aquatic Sciences (Salon G). Pre-registration required.
20:00-0:00	Welcome Social (Toboggan Brewing Company - 585 Richmond St; food provided).

Friday, Jan 4, 2019					
8:00-10:00	Registration (2 nd floor foyer)				
9:00-9:15	Opening remarks & welcome – Yolanda Morbey, Bryan Neff, Margaret Docker, Jérôme Marty (Ballroom 4)				
9:15-10:15	J.C. Stevenson Memorial Lecture , with introduction by Jong Chen (Editor-in-Chief, CJFAS) (Ballroom 4) Recipient - Sean Anderson				
10:15-10:45	Nutrition break (2 nd floor foyer)				
10:45-10:50	Robert Peters Award Announcement - Jérôme Marty (President, SCL) (Ballroom 4) Recipient - Marie-Eve Monchamp				
10:50-11:50	Frank Rigler Memorial Award Lecture , with introduction by Jérôme Marty (President, SCL) (Ballroom 4) Recipient - Bernadette Pinel-Alloul				
11:50-13:20	Executive Meeting CARS-AFS (Salon D)				
11:50-13:20	Lunch (on your own)				
	<i>Limnology at the Landscape Level: Integrating Multiple Stressors and Scales</i> (Salon E)	<i>Impacts of Climate Change in Aquatic Ecosystems</i> (Salon F)	<i>Showcase of Early Career Women in Aquatic Ecology & Conservation Research</i> (Salon G)	<i>Miles Keenleyside Symposium</i> (Salon H)	<i>Thermal Biology</i> (Salon J)
13:20-13:40	Investigating ecosystem responses to multiple interacting anthropogenic stressors in McLaughlin Bay	The role of climate and lake size in regulating the phenology of ice-cover Higgins, S.N.*, Desjardins, C., Drouin, H.,	Coping with the cold: the winter ecology of freshwater fishes McMeans, B.C.*, Fernandes, T.	Recognizing Miles Keenleyside - 2019 Noakes, D. L. G.	The winter munchies: Feeding throughout winter is common in juvenile Pumpkinseed and improves energy

	(Oshawa, Ontario) Hoskin, G.N.*; Korosi, J.B.; Kirkwood, A.E.; Thienpont, J.R.	Hrenchuk, L., van der Sanden, J.			reserves available in spring Rooke, A.C.*; Fox, M.G.
13:40-14:00	Diatom community assemblages are controlled by light availability in deep, low- DOC lakes in northeastern Ontario Gushulak, C.A.C., and Cumming, B.F.	Are lakes browning or re- browning? Impact of atmospheric deposition and climate change on long-term lake-water organic carbon levels in Ontario lakes Meyer-Jacob, C.*, Labaj, A.L., Paterson, A.M., Michelutti, N., Cumming, B.F., Keller, W., Smol, J.P.	Freshwater Aquatic Ecosystem Classification in Ontario and Beyond: Room for Conservation Melles, S.J.*, Chu, C., Jones, N.E., Schmidt, B.	Relative sexual attractiveness and social associations among males in a fission-fusion fish society Godin, J.-G.J.*	Fish in hot water: Maternal stress may prepare juvenile Chinook salmon offspring to behaviourally cope under climate change Warriner, T.R.*; Love, O.P.; Pitcher, T.E.; Semeniuk, C.A.D.
14:00-14:20	The response of colonizing and established communities of periphyton across a land-use gradient in the Lake Simcoe watershed MacKay, S.E.*, Kirkwood, A.E.	Can we track the effect of warming on the cladoceran communities of minimally-impacted lakes? Barouillet C., Meyer- Jacob C., Mushet G. R., Hennesy S., Bertin A., Cumming B. F.	Considering ecosystem connectivity: insights from the ecology and life history of three northern fishes Swanson, H.K.*, Baker, L.F., DeJong, R.A., Lord, S.I., and Smith, R.	Mate choice of hatchery and wild coho salmon Auld, H.L.*; Jacobson, D.P.; Banks, M.A.	The effect of elevated rearing temperature on thermal performance and cardiorespiratory morphology in Atlantic salmon (<i>Salmo salar</i>) Muir, C.A.*; Wise, R. A.; Damjanovski, S.; and Neff, B.D.
14:20-14:40	Flood-influenced lakes as archives of natural and anthropogenic trace metal deposition in the oil sands region: an approach to define pre- industrial baseline conditions Klemmt, W.*; Hall, R.I.; Wolfe, B.B	Effects of photodegraded dissolved organic matter on phytoplankton Sherbo, B.*; Higgins, S.N.; Hann, B.J.	Sexual selection and alternative mating strategies in salmonid fishes Weir, L.K.* and Young, K.A.	An enduring legacy: 50 years of research into sunfish mating systems Neff, B.D.*	A tale of two strategies: Investigating how freshwater fish thrive in seasonal climates Fernandes, T.*; McMeans B.

14:40-15:00	Landscape-scale drivers of nutrient concentrations in natural and artificial water bodies of the Northern Great Plains Finlay, K*; Webb, J.R.; Wissel, B.; Leavitt, P.R.; Baulch, H.M.; Simpson, G.L.; Haig, H.A; Hodder, K.R.	Effect of dissolved organic matter on red and green phenotypes of <i>Pseudanabaena</i> Chemali, C.*; Creed, I.F., Trick, C. G.	Inclusion and diversity in Canadian fisheries and aquatic sciences: time to reflect Semeniuk, C.A.D*; Madliger, C.L.; Melles, S.J.; Morbey, Y.E.; Febria, C.M.	An ethological analysis of expert Indigenous, Local and Science knowledge on White Shark (<i>Carcharodon carcharias</i>) mating in Aotearoa/New Zealand Crawford, S.S.	
15:00-15:30	Nutrition break (2 nd floor foyer)				
	<i>Limnology at the Landscape Level: Integrating Multiple Stressors and Scales</i> (Salon E)	<i>Impacts of Climate Change in Aquatic Ecosystems</i> (Salon F)	<i>Genomics and eDNA Applications in Fisheries and the Conservation of Aquatic Ecosystems</i> (Salon G)	<i>Miles Keenleyside Symposium</i> (Salon H)	<i>Movement Ecology</i> (Salon J)
15:30-15:50	Drivers of water quality changes in North American lakes over the past 40 years Mahdiyan, O.*, Molot, L., Sapna, S.	The interactions between eutrophication and climate change on the role of inland aquatic systems in the global carbon cycle Prairie, Y.T.	Population hybridization outcomes are unrelated to population size and population divergence in Brook Trout Wells Z.R.R., Bernos T.A.*, Yates M.C., Fraser D.J.	Co-evolution of parental care and antipredator competence in convict cichlids Wisenden, B.D.	Seasonal spatial ecology of juvenile muskellunge and northern piker in St. Lawrence River nursery bays Walton-Rabideau. S.E.*; Ledee, E.J.I., Leblanc, J.P., Szekeres, P., Midwood, J., Gallagher, A.J., Farrell, J.M. and Cooke, S.J.

15:50-16:10	Differential impacts of climatic variability and land-use on the 20th century algal pigment abundance among and within two temperate estuaries of Atlantic Canada Patoine, A.*; Karmakar, M.; Kurek, J.	Impact of glacial meltwater fluxes to carbon cycling dynamics in the Lake Hazen watershed of the Canadian high Arctic Dainard, P.*; Schiff, S.; Aukes, P.; Elgood, R.; St. Pierre, K.; St. Louis, V.; English, M.; Lehnerr, I.	Validation of the close kin mark recapture (CKMR) approach for the estimation of abundance in harvested, small, or data limited systems Ruzzante D.E.*; McCracken G.R., Førlund B., MacMillan J., Notte D., Mills Flemming J., Skaug H.	Can early life history traits predict juvenile migration timing in Chinook Salmon? Cogliati, K.M.*; Schreck, C.B., Noakes, D.L.G.	Migratory movements of adult Atlantic halibut in the southern Gulf of St. Lawrence James, T.L., LeBris, A., Landsman, S.J., van den Heuvel, M.R.
16:10-16:30	Paleolimnological assessment of nutrient and predation controls on cladoceran abundance and composition in four small fisheries lakes, interior British Columbia Mushet, G. R.*; Laird, K. R.; Leavitt, P. R.; Cumming, B. F.	Benthic assemblages as biological indicators of altered hydrological connectivity in a climate-sensitive delta floodplain - 5 years of monitoring lakes in the Mackenzie Delta, NT Scott, R.W.*; Tank, S.E., Wang, X., Quinlan, R.	Genetic divergence among sympatric resident and anadromous Arctic char (<i>Salvelinus alpinus</i>) in Labrador Salisbury, S.J.*; McCracken, G.R., Perry, R., Keefe, D., Koop, B.F., Nugent, C.M., Ferguson, M.M., Danzmann, R.G., Ruzzante, D.E.	Variation in antipredator armor among populations of Newfoundland threespine stickleback Biedak, N.R.; Scott, R.J.*; Baker, J.A.; Foster, S.A.	Science and Stewardship: Biomonitoring Namayo - Lake Sturgeon - In Northern Ontario Cruz-Font, L.*; Simard, J.; Isaac, B.; Cheechoo, J.; Louttit, S.; Struthers, D.; Chetkiewicz, C.; O'Connor, C.
16:30-16:50	Fish growth rates and lake sulphate control mercury levels in Ninespine stickleback (<i>Pungitius pungitius</i>) on the Arctic Coastal Plain of Alaska Burke, S.M.*; Branfireun, B.A.; Laske, S.M.; Zimmerman, C.E.; Swanson, H.K.	Investigating Landscape Drivers of Spatial Variability in Subarctic Lakes Responses to Permafrost Thaw Coleman, K.A.*; Korosi, J.B.	The effects of waterborne chromate (Cr6+) on protein abundance patterns in Lake trout (<i>Salvelinus namaycush</i>) Simmons, D.*, Sherry, J., Neheli, T., Miller, J., Poirier, D., Watson-Leung, T., Chong Kit, R., Reiner, E., Simpson, M.	Sex and the undecided fish Cole, K.S.*	Using a 3-D hydrodynamic model to predict Grass Carp spawning success Heer, T.*; Wells, M.G., Mandrak, N.E.
16:50-17:10	Heavy rainfall and increased phosphorus concentrations drive	Sedimentomics: A systematic biomarker discovery method with	Extreme morphological divergence corresponds to heterogeneous	Space use in stream fishes Grant, J.W.A.	Examining the presence of the ideal free distribution across

	early onset bloom in an Ontario reservoir Larsen, M.L.*; Venkiteswaran, J.J.; Baulch, H.M.; Simon, D.F. and Sauvé, S.	applications for paleolimnological reconstructions of Arctic treeline dynamics Bell, M.*; Saleem, S.; Korosi, J.; Kimpe, L.; Blais, J.M.	genomic divergence and deep-water adaptation of sympatric Arctic charr (<i>Salvelinus alpinus</i>) morphs in Gander Lake Newfoundland Kess, T.*; Dempson, B., Lehnert, S.J., Bentzen, P., Salisbury, S., Messmer, A., Duffy, S., Ruzzante, D., Nugent, C.M., Ferguson, M.M., Leong, J.S., Koop, B.F., Bradbury, I.R.		regulatory boundaries in a groundfish fishery Enright, D.T.*; Gillis, D.M.
17:10-18:10	Executive Meeting SCL (Salon D)				
18:00-20:00	Poster reception (2 nd floor foyer, appetizers provided)				
20:00-23:00	Student social (Jack's, 2 nd floor, 539 Richmond St, appetizers provided)				

Saturday, Jan 5, 2019					
8:00-8:30	Registration (2 nd floor foyer)				
	<i>Rivers and Streams: Multi-scale Understanding and Tools</i> (Salon E)	<i>Impacts of Climate Change in Aquatic Ecosystems</i> (Salon F)	<i>Genomics and eDNA Applications in Fisheries and the Conservation of Aquatic Ecosystems</i> (Salon G)	<i>Miles Keenleyside Symposium</i> (Salon H)	<i>Movement Ecology</i> (Salon J)
8:30-8:50	An aquatic ecosystem classification for Ontario's rivers and streams Jones, N.E., and Schmidt B.J.	Permafrost thaw slumping structures zooplankton community composition in western Canadian Arctic lakes Auger, B.*; Victor, J., Thienpont, J.R., Kokelj, S.V., and Korosi, J.B.	Quantitative eDNA assessment of reintroduced Atlantic salmon (<i>Salmo salar</i>) in Lake Ontario tributaries using microsatellite markers	Landscape factors influencing stream temperature and brook trout distribution in Boreal streams Mackereth, R.W.*; Smith, A.	Assessing the fate of returning upper Yukon River Chinook Salmon (<i>Oncorhynchus tshawytscha</i>) Lapointe, N.W.R.*; Twardek, W.M.; Cooke, S.J.

			Lulat, N.*; Wilson, C.C; Heath, D.D		
8:50-9:10	Identifying seasonal road salt hotspots in three urban and urbanizing stream networks Melles, S.J.*; Oswald, C.; Ash, C.	Elucidation of synergistic impacts of climate changes and regional anthropogenic disturbance on arctic great lake ecosystems Zhu, X.	Comparison of non-native freshwater fish detection efficiencies and costs using conventional and eDNA approaches to inform conservation management decisions on the deployment of monitoring resources Davison, P.I., Créach, V., Vilizzi, L., Britton, J.R., Copp, G.H.*	Drivers of temporal life history variation in Lake Erie's harvested yellow perch (i) Gislason, D*; McLaughlin, RM*; Robinson, BW*	Experimentally testing habitat selection by phenotype matching in a natural pumpkinseed sunfish (<i>Lepomis gibbosus</i>) population deLeeuw, A.D.*; Robinson, B.W
9:10-9:30	Lake outlet effects on stream segments and watersheds Allerton, M.*; Jones, N.E.; Melles, S.J.; Schmidt, B.J.	Historical changes in thermal regime and its influence on abundance and community structure of Kawartha Lakes piscivore communities Fox, M.G.*	Genetic tracking of an invasion: Round goby in the Great Lakes Heath, D.D*; Wellband, K.; Balasingham, K.; Ens, J; Johansson, M.	Drivers of temporal life history variation in Lake Erie's harvested yellow perch (ii) Gislason, D*; McLaughlin, RM*; Robinson, BW*	Individual differences in behaviours do not influence trapping efficiency of invasive Sea Lamprey (<i>Petromyzon marinus</i>) in the St. Marys River Holub, R.R.* and McLaughlin, R.L.
9:30-9:50	Spatial patterns of stable isotope ratios of C and N in Great Lake tributaries: The influence of resource subsidies and fragmentation McKenzie, M.*; Jones, N.E.	The cellular stress response to an acute heat shock in larval sea lamprey with potential ecological consequences in a warming world Sutherby, J.S.*; Birceanu, O.; Wilkie, M.P.; and Jeffries, K.M.	Meta-analysis supports further refinement of eDNA for monitoring aquatic species-specific abundance in nature Yates, M.C.*; Fraser, D.J.; Derry, A.M.	The essential role of fish behaviour in the detection process of monitoring programs Ridgway, M.S.*; Middel, T., and Bell, A.	Fall migration patterns and habitat use of anadromous Arctic char (<i>Salvelinus alpinus</i>) near Kugluktuk, Nunavut Smith, R.*; Swanson, H.; Loewen, T.; Dumond, A.; Kristensen, K.
9:50-10:10	Can measures of fish community size structure be used as indicators in	Considering the cumulative effects of environmental, biological	Metabarcoding of native and invasive prey in stomach content DNA		Turbine entrainment vulnerability of bull trout and lake trout in

	stream monitoring programs? Sutton, I.*; Jones, N.E.	and anthropogenic stressors on walleye productivity Jarvis, L.*; Chu, C.; McMeans, B.	(scDNA) of commercially harvested Lake Erie fishes Mychek-Londer J.G.*; Venney C. J., and Heath, D. D.		Williston Reservoir, BC Harrison, P.M.*; Ward, T., Algera, D.A., Leake, A.J., Cooke, S.J., & Power, M.
10:10-10:30	Can the metabolic theory improve productivity estimates of stream fish communities? Richter, I*.; Jackson, Don; Jones, Nick	Recreational angler perceptions in a changing word: implications for recreational fisheries management and policy development Jeanson, A. L.*; Cooke, S. J., Young, N.	Mapping the plume of Environmental DNA from a Chinook salmon farm in a well-mixed saltwater ecosystem Kajtar, A.*; Devlin, R.; Heath, J.W.; Heath, D.D.		Brook trout (<i>Salvelinus fontinalis</i>) habitat use and movement in urban streams Blair, S.G.*; Gutowsky, L.F.G. and M.G. Fox
10:30-11:00	Nutrition break (2 nd floor foyer)				
	<i>Limnology at the Landscape Level: Integrating Multiple Stressors and Scales</i> (Salon E)	<i>Impacts of Climate Change in Aquatic Ecosystems</i> (Salon F)	<i>Genomics and eDNA Applications in Fisheries and the Conservation of Aquatic Ecosystems</i> (Salon G)	<i>Niche Biology</i> (Salon H)	<i>Conservation & Management</i> (Salon J)
11:00-11:20	Reconstructing cultural eutrophication in lake sediments using sterols Gallant, L.R.*; Kimpe, L.E.; Eickmeyer, D.C.; Blais, J.M.	Guiding principles for preventing cyanobacteria blooms in a changing climate: Integrating nutrient limitation and sediment redox science into watershed management Molot, L.A.*; S.L. Schiff, J.J. Venkiteswaran, H.M. Baulch, S.N. Higgins, A. Zastepa, M.J. Verschoor, D. Walters	Genetic effects and plastic responses on brain morphology of brook charr (<i>Salvelinus fontinalis</i>) differing in foraging style Cantera, K.C.*; McLaughlin, R.L.	From top to bottom: Do Lake Trout diversify along a depth gradient in Great Bear Lake, NT, Canada? Chavarie, L*.; Howland, K.L.; Harris, L. N.; Hansen, M.J.; Harford, W.J.; Gallagher, C.P.; Baillie, S.M.; Malley, B.; Tonn, W.M.; Muir, A.M.; Krueger, C.C.	Using citizen science to solve fisheries data gaps in Canada and provide managers with a new monitoring tool Simmons, Sean

11:20-11:40	Impact of increased thermokarst activity on Polycyclic Aromatic Compound (PAC) accumulation in sediment of lakes in the hydrocarbon-rich uplands adjacent to the Mackenzie Delta, NT, Canada Eickmeyer, D.C.*; Thienpont, J.R., Blais, J.M.	Parsing out the influence of climate: What is driving recent cyanobacterial growth in the St. Lawrence River? Moir, K.E.*; Cumming, B.F.	Heterogeneous genomic divergence between European and North American Atlantic salmon (<i>Salmo salar</i>) highlights small and large genomic drivers of trans-Atlantic isolation Lehnert, S.J.*; Kess, T.; Bentzen, P; Kent, M.P.; Lien, S.; Clément, M.; Bradbury, I.R	Diet and isotopic niche of Eastern Sand Darter (<i>Ammocrypta pellucida</i>) at the northern edge of its range: a test of niche specificity Burbank, J.*; Finch, M.; Drake, D.A.R. & Power, M.	Co-production as a viable model for freshwater research in Canada Kirkwood, A.E.*
11:40-12:00	Multiscale drivers of phytoplankton communities and their species' traits Loewen, C.J.G.*; Vinebrooke, R.D.; Zurawell, R.W.	Testing for warming-induced shifts in body size for cold-water fish Warne, C.P.K.*; Rooney, N., McCann, K.S.	Applying transcriptomics to the interactive effects of thermal and pre-natal stress on developmental plasticity in juvenile chinook salmon Finerty, C.J*. Heath, D.D., Warriner, T.R., Semeniuk C.A.D., Love, O.P.	Pop-off data storage tags reveal niche partitioning among predators in Lake Ontario Raby, G.D.*, Johnson, T.B., Fisk, A.T.	Benthic invertebrate flow sensitivity as a tool to detect biologically meaningful flow alteration in a regulated river in northern Ontario Timusk, E.R.*, Smokorowski, K.E., Armanini, D.G.
12:00-13:20	Lunch (on your own)				
	Limnology at the Landscape Level: Integrating Multiple Stressors and Scales (Salon E)	Anthropogenic Stressors (Salon F)	Applying Physiology to Conservation and Fisheries Management (Salon G)	Niche Biology (Salon H)	Community Ecology (Salon J)
13:20-13:40	Isoscapes and limnoscaples of the Peace-Athabasca Delta: A foundation for hydrolimnological monitoring Remmer, C.R*; Neary,L.K;	Is the Red Deer River a mercury bioaccumulation hotspot? A comparison of mercury levels in fish from various rivers in Alberta	Immediate behavioral and physiological response from catch-and-release of wild white sturgeon (<i>Acipenser transmontanus</i>) McLean, M.F.*; Litvak,	Rainbow trout (<i>Oncorhynchus mykiss</i>) habitat overlap with wild Atlantic salmon (<i>Salmo salar</i>) and brook charr (<i>Salvelinus fontinalis</i>) in natural streams: Do	Characterizing species co-occurrence patterns of imperfectly detected stream fishes: informing repatriation of the imperiled Eastern Sand Darter

	Owca, T; Wolfe B.B; Hall,R.I	Donadt, C.R.*, Graydon, J., Cooke, C., Poesch, M.	M.K.; Cooke, S.J.; Hanson, K.C.; Patterson, D.A.; Hinch, S.G.; Crossin, G.T.	habitat and landscape factors override competitive interactions? Roloson S.D.*; Knysh K.M.; Coffin M.R.S.; Gormley K.L.; Pater C.C.; van den Heuvel M.R.	Lamothe, K.A.*; Drake, D.A.R.; Dextrase, A.J.
13:40-14:00	Pan-Canadian picture of lakes contributions to the global GHGs emissions: preliminary results from the first Lake Pulse campaign in Eastern Canada Kim, Jihyeon*; Prairie, Yves	What are the consequences of downstream fish entrainment and impingement associated with hydroelectric dams? A systematic review Algera, D.A.*, Rytwinski, T.J., Taylor, J.J., Smokorowski, K.E., Bennett, J.R., Harrison, P.M., Bevelhimer, M., Clarke, K., Enders, E., Gibson, D., Janusz, R., Power, M., Cooke, S.J.	How energy content and temperature affect American shad swimming performance Bayse, S.M.*; McCormick, S.D.; Castro- Santos, T.	An evaluation of single- species and community- based approaches to assess impacts of habitat alteration on fishes and fish habitat Montgomery, F.*; Minns, K.; Reid, S.; Mandrak, N.E.	Partitioning fish communities into guilds for ecological analyses: an overview of current approaches and future directions Benoit, D.M., Jackson, D.A, and Chu, C.
14:00-14:20	Are the Great Lakes TOO great for using chironomids to reconstruct past changes in deepwater hypolimnetic oxygen? A cautionary tale from Lake Erie Quinlan, R.*; Perlov, D.A.; Reavie, E.D.	Fish community interactions with very low head hydroelectric turbine technology Tuononen, E.I.*, Smokorowski, K.E., Timusk, E.R., S.J. Cooke	Comparing bioenergetic vs. correlative habitat suitability models for stream salmonids Naman, S.M.*, Rosenfeld, J.S., Neuswanger, J.R., Eaton, B.C., Enders, E	Lake Trout (<i>Salvelinus namaycush</i>) habitat trends in south-central Ontario lakes: Insights from ~40 years of end-of- summer hypolimnetic oxygen data Nelligan, C.*; Jeziorski, A.; Rühland, K.M.; Paterson, A.M.; Smol, J.P.	Hold the shrimp: does extirpation of <i>Mysis</i> alter fish communities? Rennie, M.D.*, Milling, A., Colvin, T. and Paterson, M.J.
14:20-14:40	Long-term effects of wildfire in boreal headwater catchments on riparian-stream	Characterizing IISD-ELA lakes to predict safe drinking water sources with minimal disinfection	The effects of total dissolved gas on fish physiology and survival	Experimental vertebrate translocations reveal the relative importance of habitat and population	The use of stable isotopes for examining the base of the food web in Canadian Shield lakes

	linkages: implications for forest management Musetta-Lambert, J.L.*; Muto, E.A.; Kreutzweiser, D.P.; Sibley, P.K.	by-products Atkins, J.H.L.*; Venkiteswaran, J.J.; Schiff, S.L.; Higgins, S.N.; Emilson, E.J.S.	Pleizier, N.K.*; Algera, D., Cooke, S.J., Brauner, C.J.	genetic risks in novel environments Yates, M.C.*; Bowles, E.; Fraser, D.J.	Barber, E.J.*; Schiff, S.L.; Venkiteswaran, J.J.; Elgood, R.J.; Salk, K.R.; Higgins, S.N
14:40-15:00	Examining the long-term algal responses to metal contamination within the context of multiple environmental stressors: case studies of lakes around Yellowknife, NT Sivarajah, B.*; Perrett, M., Stewart, E.M., Korosi, J.B., Cheney, C.L., Thienpont, J.R., Kimpe, L.E., Blais, J.M., and Smol, J.P.	Water quality effects on <i>Odonata</i> nymphs in urban ponds Perron, M.C.*; Pick, F.R.	Differences in quality between hatchery-reared and wild-origin bloater (<i>Coregonus hoyi</i>) eggs Lajoie, C, T. Drew, K. Loftus, M. Arts, R. Wehse, T. Pitcher*	Habitat characteristics and fish community in small, seasonal arctic streams in the Kivalliq Region, Nunavut Portt, C.B*, Coker, G., Reid, J., Vanengen, R., Ellenor, J.	Changes to the zooplankton community in response to the removal of <i>Mysis diluviana</i> from an Ontario lake Milling, A.*, Rennie, M.D., Paterson, M.J.
15:00-15:30	Nutrition break (2 nd floor foyer)				
	Ecosystem Ecology (Salon E)	Anthropogenic Stressors (Salon F)	Applying Physiology to Conservation and Fisheries Management (Salon G)	Niche Biology / Life History & Demography (Salon H)	Community Ecology (Salon J)
15:30-15:50	Seasonal patterns of phosphorus movement from terrestrial to aquatic systems in an agriculturally-impacted landscape Bauman, J.*; Rooney, N.	Unraveling the direct and indirect effects of climate and land-use on fish mercury levels using Structural Equation Models Thomas, S.M.*; Melles, S.J., Bhavasar, S.B.	Effects of thermal stress and hypoxia on the endangered Pugnose Shiner Potts, L.B.*; Chapman, L.J.; Mandrak, N.E.	Habitat associations of fishes in the Kivalliq region of Nunavut, Canada Hancock, H.*; Kanavillil, N., Rennie, M., Doka, S.	Island biogeography of macroinvertebrates in large marine ecosystems Stortini, C.H.*

15:50-16:10	Determining major influences on carbon balance of shallow northern floodplain lakes (Peace-Athabasca Delta, Alberta) Neary, L. K.*; Remmer, C.R.; Klemm, W.K.; Kay, M.L.; Wolfe, B.B.; Hall, R.I.	Individual- and population-level effects of a whole-ecosystem nanosilver addition on Yellow Perch (<i>Perca flavescens</i>) at the IISD-Experimental Lakes Area Hayhurst, L.D.*; Metcalfe, C.D.; Rennie, M.D.	Thermal behaviour and metabolic performance of the Westslope Cutthroat Trout (<i>Oncorhynchus clarkii lewisi</i>) across temperatures Macnaughton, C.J.*; Durhack, T.D.; Charles, C.; Kovachik, C.; Mochnacz, N.; Enders E.C.	Intraspecific variation of density-dependent growth and mortality among three neighbouring populations of a stream fish Matte, J.-M.; Fraser, D.J.; Grant, J.W.A.	Drivers of fish occurrence in Arctic lakes Shuvo, A.*; Sharma, S; Gray, D.
16:10-16:30	Estimating historical changes in cyanobacterial production from lake sediments using Visible Near-infrared Reflectance Spectroscopy (VNIRS) Favot, E.J.*; Hadley, K.R.; Michelutti, N.; Paterson, A.M.; Smol, J.P.	Cumulative land use effects on boreal fish communities in a changing climate Murdoch, A.* Sharma, S.	Gill filament calcification: a mechanism to enhance fish respiratory function? Turko, A.J.*; Wright, P.A.	Size selectivity of traditional and knotless diamond codends in the Iceland redfish (<i>Sebastes</i> spp.) fishery Z. Cheng*, H. A. Einarsson, S. Bayse, B. Herrmann, P. Winger	The use of non-traditional oxygen stable isotopes in delineating trophic ecology and mercury bioaccumulation in freshwater fish Lescord, G.L.*; T.A. Johnston, A. L. James, B. A. Branfireun, J. M. Gunn
16:30-16:50	Connecting the emergence of algal blooms in Lake Scugog to a possible invasional meltdown scenario Harrow-Lyle, T* and Kirkwood, A.E.		Interactions among metabolism, growth, and behaviour in fish exposed to thermal variability Guzzo, M*; van Leeuwen, T; Norin, T; Metcalfe, N; McCann, K; Killen, S	Ecological change alters the evolutionary response to harvest in a freshwater fish Gobin, J.*; Lester, N.P., Fox, M.G., Dunlop, E.S.	Are we fishing down the food web in Lake Simcoe? Dunlop, E.S.*; Goto, D., Jackson, D.
16:50-17:10		Ecology and food quality of riverine fish populations of the Hudson Plains Ecozone, northern Ontario Johnston, T.A.*;	Assessing the physiological status of walleye (<i>Sander vitreus</i>) across two contexts in Manitoba Jeffrey, J.D.*; Gaudry,	Providence revisited: The overlooked role of provenance in shaping life histories of brown trout (<i>Salmo trutta</i>) Elvidge, C.K.*;	

		Heerschap, M.J.; Keller, W.; Gunn, J.M.	M.J., Enders, E.C., Jeffries, K.M., Treberg, J.R.	Lemopoulos, A.; Hyvärinen, P.; Vornanen, M.; Vainikka, A.	
17:10-18:10	CCFFR/SCL conference executive meeting (Salon D)				
17:10-18:00	Cash Bar (Ballroom 2-3)				
18:00-20:30	Banquet (Ballroom 2-3)				

Sunday, Jan 6, 2019					
	<i>Ecosystem Ecology</i> (Salon E)	<i>Understanding and Mitigating Impacts of Unconventional Oil Production and Transport on Canada's Aquatic Resources</i> (Salon F)	<i>Applying Physiology to Conservation and Fisheries Management</i> (Salon G)	<i>Reproductive Strategies</i> (Salon H)	<i>Conservation & Management</i> (Salon J)
8:30-8:50	Iron isotopes reveal novel metabolic pathways for iron cycling in boreal shield lakes Liu, K.*; Schiff, S.L.; Wu, L.; Molot, L.A.; Venkiteswaran, J.; Paterson, M.; Elgood, R.; Tsuji, J.M.; Neufeld, J.D.		Investigating non-physical barriers and the role of inter-individual fish variation Bzonek P.B.*; Edwards, P.D.; Hasler, C.T.; Suski, C.D.; Boonstra, R.; Mandrak, N. E.	Sexual selection and the evolution of sexual size dimorphism in lake whitefish Morbey, Y.E.	Conservation and recovery efforts for Westslope Cutthroat Trout using Rotenone Stitt, B.C.*; Goudie, M.T.; Humphries, S.

8:50-9:10	Setting nutrient thresholds to protect stream water quality and ecological condition Thomas, K. *, Chambers, P., Yates, A.	Assessing the effects of TiO ₂ -treated oil sands wastewater exposure on developing fathead minnows (<i>Pimephales promelas</i>) Madison, B.N.; Halliwell, L.; Reynolds, J.; Leshuk, T.; Gu, F.; Peru, K.M.; Headley, J.V.; Orihel, D.M.	An appetite for invasion: the energetics of feeding & digestion in invasive lionfish Steell, S.C. *; Van Leeuwen, T.E.; Brownscombe, J.W.; Cooke, S.J.; Eliason, E.J.	Reproductive status of walleye (<i>Sander vitreus</i>) and lake whitefish (<i>Coregonus clupeaformis</i>) in two large, shallow subarctic lakes Dixon, H. J. *, Harrison, G., Lister, A., and MacLatchy, D.	Role of acoustics in freshwater fisheries management: Applications in the Alberta oil sands Terry, M.W. *; Poesch, M.
9:10-9:30	Diel trends in stable isotope values of dissolved inorganic carbon in a eutrophic boreal lake Henderson, R.I. *; Salk, K.R.; Schiff, S.L.; Venkiteswaran, J.J.	The BOREAL Project: Overview of an experimental oil spill to limnocorrals at the IISD Experimental Lakes Area Blais, J.M. *; Orihel, D.M.; Rodriguez-Gil, J.L.; Hollebhone, B.; Palace, V.; Hanson, M.	Predicting the interactions of native and invasive stream fishes to multiple stressors Kindree, M.M. *, Jones, N.E., Mandrak, N.E.	Patterns of reproductive success among reintroduced Atlantic salmon in two Lake Champlain tributaries Prevost, A.D. *, Hill, N.L, Grant, J.W.A, Ardren, W.A, Fraser, D.J.	Technical, strategic, and policy considerations around setting Recovery Targets (Population and Distribution Objectives) for species at risk Rosenfeld, J. S. *
9:30-9:50	The role of Fe in the photodegradation of dissolved organic carbon in boreal lakes Mead, J.L. *; Venkiteswaran, J.J.; Elgood, R.J.; Schiff, S.L.	Diluted bitumen spills and the boreal freshwater ecosystem: a microcosm study Cederwall, J *; Black, T; Blais, J.M.; Hanson, M.L.; Hollebhone, B.; Palace, V.P.; Rodríguez-Gil, J.L.; Greer, C.W.; Maynard, C.; Ortmann, A.C.; Rooney, R.C.; Stoyanovich, S.; Orihel, D.M	Integrating molecular and metabolic indices with walleye movement patterns in Lake Winnipeg Jeffries, K.M. *, Thorstensen, M.J., Jeffrey, J.D., Watkinson, D.A., Enders, E.C., Treberg, J.R.	The effects of senescence and female body condition on potamodromous Chinook salmon egg quality Lajoie, C.M.E. *; Warriner, T.R.; Pitcher, T.E; Semeniuk, A.D.; Love, O.P.	Have your fire hose and drink from it, too: an expert-approved approach to using angler apps to generate large volumes of usable data Venturelli, P.V. *
9:50-10:10	Phytoplankton fractionation of iron Shah, P. *;	Behavioural responses to diluted bitumen in wood frog tadpoles Hasler, C.T. *; Denton, D.;	Effects of dual stressors on energetics and performance of African	Behavioural phenotypes of sneaker male Chinook salmon in fresh and saltwater	Effects of vessel and trawl noise on acoustic fish density estimates

	Venkiteswaran, J., Molot, L.	Patterson, S.A.; Blais, J.M.; Palace, V.; Hanson, M.; Hollebhone, B.P.; Rodriguez-Gil, J.L.; Orihel, D.M.	equatorial fishes Chapman, L.J.	Church, K.*, Janisse, K., Forest, A., Heath, J., Heath, D., Semeniuk, C.	Trumpickas, J. *, Dunlop, E.S.
10:10-10:30	Iron and molybdenum influence growth and microcystin production of a freshwater cyanobacterium, <i>Microcystis aeruginosa</i> Creed, I.F.; Enanga, E.M.*; Erratt, K.J.; Xu, Y.; Trick, C.G.	Freshwater Oil Spill Remediation Study (FOReSt): Examining natural attenuation of oiled shorelines and effects of residual oil on biota at IISD-ELA Hrenchuk, L.E.*; Bulloch, P.; Dearnley, J.; Dettman, H.; Greer, C.; Hanson, M.; Higgins, S.; Paterson, M.; Peters, L.; Shanoff, T.; Taylor, E.; Timlick, L.; Tomy, G.; Wiseman, G.; Palace, V.	Coldwater species in a warming world: challenges for sustainable management Wilson, C.C.*; Burness, G.	Old funks don't always have junk spunk: a clear lack of reproductive senescence in sperm quality within the long-lived indeterminate growing lake trout Purchase*, C.F., Rennie, M.D., Rooke, A.C., Treberg, J.R.	You shall not pass! The effectiveness of a passive size-based method for selective fish passage Smith, M.R.*; McLaughlin, R.L.
10:30-11:00	Nutrition break (2 nd floor foyer)				
	<i>Ecosystem Ecology</i> (Salon E)	<i>Paleolimnology</i> (Salon F)		<i>Life History & Demography</i> (Salon H)	
11:00-11:20	Constant nutrient loads yield a lake with changing cyanobacteria blooms Larsen, M.L.; Venkiteswaran, J.J.*; Baulch, H.M.; Schiff, S.L.; Higgins, S.N.	Assessing Historical Data and spatial variation in Cladoceran species assemblages in Lake Scugog Jeyarajah, J. *, Thienpont, J., Harrow-Lyle, T., Kirkwood, A., & Korosi, J.		Density-dependent growth of brook trout in pristine and over-harvested systems Glaser, D.M.*; Post, J.R.	

11:20-11:40	Legacy selenium deposition continues to inhibit mercury accumulation in freshwater organisms in Sudbury, Ontario Azdajic, M.*; Belzile, N.; Gunn, J.M.; Poulain, A.J.; Blais, J.M.	Paleolimnological data from the Canadian LakePulse Network 2017 field campaign (Eastern Canada) Jeziorski A.* , Griffiths K., Simmatis B., Gregory-Eaves I., Antoniadis D., Smol J.P.		Is there evidence of density dependent somatic growth in Alberta's walleye lakes? Cahill, C.L* , Paul, A.J, and J.R. Post	
11:40-12:00	Old tools applied at new scales to monitor the frequency and magnitude of algal blooms Dallosch, M.A.*; Creed, I.F.	Holocene water balance variability and change in Northeastern Ontario, Canada reconstructed from lake sediment carbonate stable isotopes and XRF data Boreux, M.P*.; Lamoureux, S.F.; and Cumming B.F.			