

## 2<sup>nd</sup> International Meeting on Biology and Conservation of Freshwater Bivalves

Buffalo, NY, USA

October 4-8, 2015

	Sunday 4th	Monday 5th	Tuesday 6th	Wednesday 7th	Thursday 8th
09:00AM		<b>Conference Opening</b>	<b>Invited Speaker: Alexander Y. Karatayev</b> Endangered or invaders? Molluscs - the most imperiled group of freshwater invertebrates includes the highest number of invaders	<b>Invited Speaker: Manuel Lopes-Lima</b> Addressing Global Conservation Issues on Freshwater Bivalves: Challenges and Opportunities	<b>Social Program</b>  <b>Field Trips</b>
09:20AM			<b>Invited Speaker: Caryn Vaughn</b> Ecosystem services provided by freshwater bivalves	Invasion history of <i>Dreissena polymorpha</i> , the zebra mussel in Lough Key, an Irish lake <b>Lucy, F.E., Sullivan, M.R., Moran, H.</b>	
09:40AM		A recent <i>Dreissena</i> invasion in an old canal system in northern Europe <b>Bergengren, J., Svensson, J.-E., von Proschwitz, T., Lundberg, S.</b>		Project Grande Mulette: Conservation of the Giant Pearl Mussel ( <i>Margaritifera auricularia</i> ) in Europe <b>Soler, J., Wantzen, K.M., Araujo, R.</b>	
10:00AM				<b>Coffee Break</b>	
10:20AM		<b>Coffee Break</b>		<b>Coffee Break</b>	
10:40AM		Ecological services of a host-affiliate relationship across a gradient of nutrient loading <b>Spooner, D., Hamilton, D.</b>	The quagga mussel ( <i>Dreissena rostriformis bugensis</i> ) in the southern Baltic coastal lagoon: a visitor or an invader? <b>Wawrzyniak-Wydrowska, B., Wozniczka, A., Soroka, M., Radziejewska, T., Skrzypacz, A.</b>	Unionid biodiversity and conservation problems in Turkey <b>Kebapçı, Ü.</b>	
11:00AM		Trematode parasitism, an 'ecosystem service' provided by freshwater mussels <b>Taskinen, J.</b>	Estimation of exotic bivalve abundance and coverage in a large river using traditional sampling, remote sensing, and GIS-derived benthic habitat maps <b>Mehler, K., Karatayev, A.Y., Burlakova, L.E.</b>	Conservation efforts with focus on the thick shelled river mussel ( <i>Unio crassus</i> Philipsson, 1788) and its host fish fauna in Svennevedsån, Sweden <b>Wengström, N., Lundberg, S.</b>	
11:20AM		Comparison of particle filtration ecosystem services by North American freshwater mussels fed on natural seston <b>Kreeger, D., Gatenby, C., Howard, J.</b>	Using species sensitivity distributions for assessing effects of river management measures on native and non-native mollusc assemblages <b>Collas, F.P.L., Buijse, A.D., Hendriks, A.J., Leuven, R.S.E.W.</b>	A comprehensive freshwater mussel restoration program: Progress in the Delaware River Basin <b>Cheng, K., Kreeger, D., Padeletti, A., Thomas, R.</b>	

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11:40AM		A comparison of growth and survival of quagga mussel veligers in low and high calcium waters <b>Acharya, K., Ruhmann, E., Davis, C.J., Chandra, S.</b>	Enhanced Phylogeography, Demography, and Life History Resolution in Unionid Species: Transitioning from Population Genetics to Population Genomics <b>King, T.</b>	Saving six freshwater pearl mussel <i>Margaritifera margaritifera</i> populations in the Armorican Massif (France) <b>Capoulade, M., Pasco, P.-Y., Dury, P., Ribeiro, M., Beaufils, B., Rostagnat, L.</b>	Social Program  Field Trips
12:00PM		<b>Lunch Break</b>	<b>Lunch Break</b>	<b>Lunch Break</b>	
1:00PM		<b>Invited Speaker: Kevin Cummings</b> The Freshwater Mussels (Bivalvia: Unionoida) of South America: A Review	Sex determination in freshwater mussels: a mitochondrial story <b>Breton, S.</b>	Conservation of endangered unionids in high-flowing fragmented rivers: historical changes and metapopulation dynamics of the Rio Grande endangered endemic <i>Popenaias poppeii</i> <b>Burlakova, L.E., Karatayev, A.Y., Karatayev, V.A., Miller, T., Perrelli, M.F.</b>	
1:20PM			Dispersal and gene flow in unionid mussels and the boundaries defining Great Lakes assemblages <b>Krebs, R.A., Zanatta, D.T.</b>	Latitudinal distribution of the unionid mussel <i>Anodonta anatina</i> and its trematode parasites in Finland <b>Choo, J. M., Taskinen, J.</b>	
1:40PM		Biogeography, ecology and adaptive strategies of freshwater bivalves (Bivalvia: Sphaeriidae) in Arctic <b>Bespalaya, Y.V., Bolotov, I.N., Aksenova, O.V., Kondakov, A.V., Gofarov, M.Y.</b>	Varied patterns of post-glacial dispersal by freshwater mussels species into the North American Great Lakes with implications for conservation and management of imperiled taxa <b>Zanatta, D., Hewitt, T.L., Mathias, P.</b>	Parasitic freshwater pearl mussel larvae reduce the drift-feeding rate of juvenile brown trout <b>Österling, M.E.</b>	
2:00PM		Biogeography of freshwater mussels (Bivalvia: Unionoida) across the largest Southeast Asian riverbasins: endemism and biodiversity assessment <b>Konopleva, E., Kondakov, A., Vikhrev, I., Bespalaya, Y., Tumpeesuwan S., Bolotov, I.</b>	Species boundaries and levels of intermixing between two freshwater mussel species (Family: Unionidae) <b>Porto-Hannes, I., Burlakova, L., Lasker, H.</b>	Fast swimming brown trout receives a higher parasitic load of freshwater pearl mussel ( <i>Margaritifera margaritifera</i> ) larvae <b>Wengström, N., Wahlqvist, F., Näslund, J., Aldvén, D., Zaworka, L., Höjesjö, J.</b>	
2:20PM		The Naiads (Bivalvia: Unionidae) from Romania: Trends in Knowledge, Distribution, Ecological Requirements and Human Impacts <b>Sîrbu, I., Benedek, A.M.</b>	Morphological variability of Indochinese pearl mussels: environmental signal or chance for species identification? <b>Vikhrev, I., Bespalaya, Y., Gofarov, M., Konopleva, E., Tumpeesuwan, S., Minn, M., Bolotov, I.</b>	Are all glochidia equal? Evidence of variation within and among individual unionids <b>Woolnough, D.A., Timmers, R.B., Ross, M.J.</b>	

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2:40PM		A review of the life history of Australasian freshwater mussels with new information from Western Australia <b>Klunzinger, M.W., Lymbery, A.J., Walker, K.F.</b>	Cellular changes associated with nematode infections in the foot of the Alabama rainbow ( <i>Villosa nebulosa</i> ) <b>McElwain, A., Bullard, S.</b>	Host fish biotic homogenization: A major threat to Iberian freshwater mussel (Unionoida) species <b>Teixeira, A., Varandas, S., Sousa, R., Froufe, E., Lopes-Lima, M.</b>	Social Program Field Trips
3:00PM		Nomenclatural remarks on some Western-Palaearctic Najades (Bivalvia: Unionacea) <b>von Proschwitz, T., Falkner, G.</b>	Pathological changes associated with a co-infection of metacercaria (Digenea) and eggs of <i>Unionicola</i> sp. (Acari, Unionicolidae) in the mantle of <i>Elliptio complanata</i> (Bivalvia, Unionidae) <b>Springall, B., Fleming, R., Gulkarov, A., Kyaw, W., Lajoie, M., Lima Da Silveira Jr., L., Lovell, J., Maney, C., McElwain, A.</b>	How does the distribution of unionid freshwater mussels in Texas relate to the distribution of fishes? <b>Dascher, E., Olson, J., Burlakova, L.E., Karatayev, A.Y., Bonner, T., Schwalb, A.N.</b>	
3:20PM		<b>Coffee Break</b>	<b>Coffee Break</b>	<b>Coffee Break</b>	
3:40PM		Twenty-five years of change in the Hudson River's bivalve populations <b>Strayer, D.L., Malcom, H.M.</b>	Variation in Growth and Survival in <i>Alasmidonta heterodon</i> across locations in the Northeast, United States <b>Cole, J.C., Galbraith, H.S., White, B. St. J., Lellis, W.A., Blakeslee, C.J., Weaver, S., Wicklow, B.J.</b>	Recovering from co-extirpation: the challenge of restoring an ecologically relevant host-affiliate relationship <b>Galbraith, H.S., Blakeslee, C.J., Devers, J.L., Minkkinen, S.</b>	
4:00PM	Registration	Biology and habitat of <i>Sphaerium striatinum</i> in two streams in the upper Susquehanna River drainage <b>Dittman, D., Johnson, J., Nack, C.</b>	Does exposure to Duck Mussel ( <i>Anodonta anatina</i> ) immunize Brown Trout ( <i>Salmo trutta</i> ) against the endangered Freshwater Pearl Mussel ( <i>Margaritifera margaritifera</i> )? <b>Chowdhury, M.M.R., Salonen, J.K., Taskinen, J.</b>	Does the accumulation of trace elements in riverine sediments affect the populations of <i>Margaritifera margaritifera</i> ? <b>Antelo, J., Suarez-Abelenda, M., Pastoriza, C., Barral, J., Ondina, P., Outeiro, S., Lois, S., Antelo, J.M.</b>	
4:20PM		From common to probably extinct: tales about the peaclam <i>Pisidium amnicum</i> in the Minho River (Portugal) <b>Sousa, R.</b>	Boat hull mediated overland dispersal chance of dreissenid mussels <b>Collas, F.P.L., Karatayev, A.Y., Burlakova, L.E., Leuven, R.S.E.W.</b>	Environmental influences on the community composition of freshwater mussels as a baseline to spatial conservation prioritization: A case study in the Cuiabá River Basin, Midwest of Brazil <b>Santos, R., Callil, C., Mansur, M., Michiura, A., Colle, A.</b>	
4:40PM		Characterization and protection of native species of bivalves in two coastal lagoons <b>Varandas, S., Assunção, T., Teixeira, A., Cortes, R., Lopes-Lima, M., Sousa, R., Froufe, E.</b>	Mussel monitoring in the context of the European Habitats Directive: New information on the ecological requirements of <i>U. crassus</i> <b>Stoeckl, K., Denic, M., Geist, J.</b>	Physiological and behavioral response of native freshwater mussels to environmental variables <b>Blakeslee, C.J., Galbraith, H.S.</b>	

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5:00PM	Registration	Unravelling the UNIONIDAE: examination of subfamily relationships within Unionidae <b>Bogan, A.E., Froufe, E., Ghamizi, M., Mock, K., Kebapci, U., Klishko, O., Kovitvadhi, S., Kovitvadhi, U., Paulo, O.S., Raley, M., Riccardi, N., Pfeiffer, J.M. III, Sereflisan, H., Sousa, R., Teixeira, A., Do, V.T., Varandas, S., Wu, X.P., Zanatta, D. Zieritz, A., Lopes-Lima, M.</b>	Recovery of mussels in Lake Orta revealed by social networks ninety years after their extirpation <b>Riccardi, N., Froufe, E., Lopes-Lima, M., Mazzoli, C.</b>	Investigating the impacts of water quality on freshwater mussels <b>Choy, S.J., Buttermore, E.N., Moore, J.N.</b>	Social Program Field Trips
5:20PM		Life history trade-off of <i>Anodontites trapesialis</i> (Lamarck, 1819) (Bivalvia: Mycetopodidae) in a wetland: An evolutionary or environmental adaptation? <b>Callil, C., Mateus, L., Leite, M., Jones, J.</b>	Bivalves in human-modified and natural ecosystems of Ukraine <b>Protasov, A., Syliaeva, A.</b>		
5:40PM					
6:00PM	Welcome Reception	Poster Reception		Closing Dinner	