

2013 Aquatic Sciences Meeting

17-22 February 2013

New Orleans, Louisiana, USA

MONDAY, 18 February 2013

Room	Room 333-334	Room 343	Room 344	Room 345	Room 346-347	Room 352	Room 353	Room 354	Room 355	Room 356	Room 357	Room 348-349	Room 350-351	Room
08:00	Plenary and Awards Presentation (08:00 to 09:30)													08:00
08:15	Dr. Karen Kidd, University of New Brunswick <i>(La Nouvelle Ballroom C)</i>													08:15
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09:45														Morning Break (9:30 AM to 10:00 AM)
10:00	GS07: Multiple Stressor Problems in Aquatic Systems	SS36: Presence and impacts of emerging contaminants in aquatic systems	SS26: Coccolithophores: biogeochemical impacts and response to a changing ocean	SS45: Employing Riverine Organic Matter as an Integrated Signal of Catchment Processes, Climate and Land-Use Change	SS14: Natural and anthropogenic driven responses of microbial communities in the ocean	SS21: Optical signatures of the global carbon cycle: Characterization of the sources, sinks and chemistry of CDOM and FDOM	SS58: Ocean provinces, food web structure and particle flux	SS12: Cooperation - the key to success: Symbioses in aquatic systems	SS29: Opportunities and Challenges of Teaching Introductory Oceanography to Undergraduates	SS50: Zooplankton responses to environmental stressors	SS23: Dissolved organic matter dynamics: towards a molecular-level understanding	SS31: Biology and Biogeochemistry of Sea Ice Communities	SS74: Tackling Harmful Algal Blooms: Synergy between Research, Management & Education	10:00
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11:45	Lunch and Workshops (12:00 PM to 1:30 PM)													11:45
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1:30	GS07: Multiple Stressor Problems in Aquatic Systems	SS36: Presence and impacts of emerging contaminants in aquatic systems	SS49: Microbial mediated retention/transformation of organic and inorganic materials in freshwater and marine ecosystems	SS45: Employing Riverine Organic Matter as an Integrated Signal of Catchment Processes, Climate and Land-Use Change	SS14: Natural and anthropogenic driven responses of microbial communities in the ocean	SS21: Optical signatures of the global carbon cycle: Characterization of the sources, sinks and chemistry of CDOM and FDOM	SS58: Ocean provinces, food web structure and particle flux	SS12: Cooperation - the key to success: Symbioses in aquatic systems	SS29: Opportunities and Challenges of Teaching Introductory Oceanography to Undergraduates	SS50: Zooplankton responses to environmental stressors	SS23: Dissolved organic matter dynamics: towards a molecular-level understanding	SS22: Vanishing glaciers: Consequences for aquatic ecosystems	SS74: Tackling Harmful Algal Blooms: Synergy between Research, Management & Education	1:30
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3:15	Afternoon Break (3:30 PM to 4:00 PM)													3:15
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4:00	SS36: Presence and impacts of emerging contaminants in aquatic systems	SS49: Microbial mediated retention/transformation of organic and inorganic materials in freshwater and marine ecosystems	SS45: Employing Riverine Organic Matter as an Integrated Signal of Catchment Processes, Climate and Land-Use Change	SS17: The USGS Delta Research and Global Observation Network (DRAGON)	GS08A: Plankton Ecology - Phytoplankton	SS69: Coastal and Marine Ecological Classification Standard (CMECS)	SS06: New Insights into Microbial Ecology of Hypersaline Habitats		SS27: Surface and Subsurface Fluxes Across the Land-Ocean Interface of Large Rivers	SS23: Dissolved organic matter dynamics: towards a molecular-level understanding	SS22: Vanishing glaciers: Consequences for aquatic ecosystems	SS01: Ecosystem-based Marine Spatial Planning for Better Management of Our Oceans	4:00	
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5:15	ASLO Membership Meeting and Award Presentation (5:45 to 6:45)													5:15
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7:00	ASLO Early Career and Student Mixers (7:00 to 9:00)													7:00
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2013 Aquatic Sciences Meeting
 17-22 February 2013
 New Orleans, Louisiana, USA

TUESDAY, 19 February 2013

Room	Room 333-334	Room 343	Room 344	Room 345	Room 346-347	Room 352	Room 353	Room 354	Room 355	Room 356	Room 357	Room 348-349	Room 350-351	Room
08:00	Plenary and Awards Presentation (8:00 AM to 9:30 AM) Dr. Andrew Weaver, School of Earth and Ocean Sciences, University of Victoria Nancy Baron, Leopold Leadership Program <i>(La Nouvelle Ballroom C)</i>													08:00
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09:30														Morning Break (9:30 AM to 10:00 AM)
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10:00	GS08 A: Plankton Ecology - Phytoplankton	SS50: Zooplankton responses to environmental stressors	SS54: Carbon Fluxes at the Land-Ocean Interface: Research and Education	SS75: Role and significance of chemosynthesis in the ocean	SS48: Geochemical consequences of advection in aquatic sediments	SS58: Ocean provinces, food web structure and particle flux	SS49: Microbial mediated retention/transformation of organic and inorganic materials in freshwater and marine ecosystems	SS02: Catapults, Ferries, and Bridges: Getting Aquatic Science Results to Policy and Management	SS81: Getting a grip on microbial change: the freshwater Earth Microbiome Project	SS35: Climate extremes – Is the future of ecosystems predictable and manageable?	SS08: Biogeochemistry of metal-binding organic ligands in the ocean	SS18: Oxygen Minimum Zones and Climate Change: Impacts on Higher Trophic Levels	10:00	
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12:00	Lunch and Workshops (12:00 PM to 1:30 PM)													12:00
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1:30														ASM Tick Talk Session 83: Climate Change Science and Communication
1:45	1:45													
2:00	GS08 A: Plankton Ecology - Phytoplankton	SS50: Zooplankton responses to environmental stressors	SS54: Carbon Fluxes at the Land-Ocean Interface: Research and Education	SS27: Surface and Subsurface Fluxes Across the Land-Ocean Interface of Large Rivers		SS20: Let it Snow! Aquatic Exopolymers, Suspended Particles, & Organic	SS49: Microbial mediated retention/transformation of organic and inorganic materials in freshwater and marine ecosystems	SS02: Catapults, Ferries, and Bridges: Getting Aquatic Science Results to Policy and Management	SS64: Quasi-Lagrangian Approaches in Pelagic Ecology	SS35: Climate extremes – Is the future of ecosystems predictable and manageable?	SS08: Biogeochemistry of metal-binding organic ligands in the ocean	SS18: Oxygen Minimum Zones and Climate Change: Impacts on Higher Trophic Levels	2:00	
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3:30													Afternoon Break (3:30 PM to 4:00 PM)	
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4:00	SS17: The USGS Delta Research and Global Observation Network (DRAGON)	SS50: Zooplankton responses to environmental stressors	SS54: Carbon Fluxes at the Land-Ocean Interface: Research and Education	SS01: Ecosystem-based Marine Spatial Planning for Better Management of Our Oceans	SS30: Biological and biogeochemical responses to human impacts at the sediment-water interface	SS20: Let it Snow! Aquatic Exopolymers, Suspended Particles, and Organic Aggregates	SS73: Impact of submesoscale processes on upper ocean ecology, biogeochemistry and contaminant dispersal	SS21: Optical signatures of the global carbon cycle: Characterization of the sources, sinks and chemistry of CDOM and FDOM	SS64: Quasi-Lagrangian Approaches in Pelagic Ecology	SS82: Progress in understanding nutrient budgets in marginal basins and coastal systems	SS08: Biogeochemistry of metal-binding organic ligands in the ocean	SS62: CO2-Induced Environmental Change and the Occurrence and Severity of Harmful Algal Blooms	4:00	
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6:00	Poster Session and Reception (6:00 PM to 7:30 PM) <i>(Exhibit Hall)</i>													6:00
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7:45	Town Halls and Evening Meetings TBD													7:45
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9:00	Town Halls and Evening Meetings TBD													9:00

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WEDNESDAY, 20 February 2013

Room	Room 333-334	Room 343	Room 344	Room 345	Room 346-347	Room 352	Room 353	Room 354	Room 355	Room 356	Room 357	Room 348-349	Room 350-351	Room
08:00	Plenary and Awards Presentation (8:00 AM to 9:30 AM)													08:00
08:15	Dr. Susan R. Singer, Carleton College													08:15
08:30	<i>(La Nouvelle Ballroom C)</i>													08:30
08:45	Morning Break (9:30 AM to 10:00 AM)													08:45
09:00	Morning Break (9:30 AM to 10:00 AM)													09:00
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09:30	Morning Break (9:30 AM to 10:00 AM)													09:30
09:45	Morning Break (9:30 AM to 10:00 AM)													09:45
10:00	GS08 B: Plankton Ecology - Zoology	SS40: Perspectives on restoration in the Gulf of Mexico	SS05: Advances in Coastal Hypoxia Modeling: From Physics to Fish	SS56: Carbon fluxes in aquatic ecosystems at catchment, regional and continental scales	SS53: Sensor Networks in Aquatic Systems: Research and Education	SS30: Biological and biogeochemical responses to human impacts at the sediment-water interface	SS76: Microbial Interactions: From Species Survival to Biogeochemical Cycles	SS04: ASLO Student Symposium	SS57: Trace Elements and Isotopes in the Ocean and Atmosphere: the International GEOTRACES Program	SS44: Factors promoting the expansion of harmful algal blooms in marine and freshwater ecosystems	SS82: Progress in understanding nutrient budgets in marginal basins and coastal systems subject to eutrophication and climate warming	SS43: Long Island Sound, America's Urban Estuary: Science, Policy, and Public Outreach	SS33: Microbial nitrogen cycling in marine pelagic waters	10:00
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1:15	Lunch and Workshops (12:00 PM to 1:30 PM)													1:15
1:30	GS08 B: Plankton Ecology - Zoology	SS40: Perspectives on restoration in the Gulf of Mexico	SS05: Advances in Coastal Hypoxia Modeling: From Physics to Fish	SS56: Carbon fluxes in aquatic ecosystems at catchment, regional and continental scales	SS53: Sensor Networks in Aquatic Systems: Research and Education	SS30: Biological and biogeochemical responses to human impacts at the sediment-water interface	SS76: Microbial Interactions: From Species Survival to Biogeochemical Cycles	SS04: ASLO Student Symposium	SS57: Trace Elements and Isotopes in the Ocean and Atmosphere: the International GEOTRACES Program	SS44: Factors promoting the expansion of harmful algal blooms in marine and freshwater ecosystems	SS78: Assessing Vulnerability of U.S. Lakes and Reservoirs to Climate Change	SS43: Long Island Sound, America's Urban Estuary: Science, Policy, and Public Outreach	SS33: Microbial nitrogen cycling in marine pelagic waters	1:30
1:45														1:45
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3:15	Afternoon Break (3:30 PM to 4:00 PM)													3:15
3:30	Afternoon Break (3:30 PM to 4:00 PM)													3:30
3:45	Afternoon Break (3:30 PM to 4:00 PM)													3:45
4:00	GS08 B: Plankton Ecology - Zoology	GS06: Restoration Ecology in Aquatic System	SS05: Advances in Coastal Hypoxia Modeling: From Physics to Fish	SS56: Carbon fluxes in aquatic ecosystems at catchment, regional and continental scales	SS53: Sensor Networks in Aquatic Systems: Research and Education	SS30: Biological and biogeochemical responses to human impacts at the sediment-water interface	SS39: Science and Policy Framework for Future Development of the Oil and Gas Resources of the USA Outer Continental Shelf (OCS)	SS04: ASLO Student Symposium	SS57: Trace Elements and Isotopes in the Ocean and Atmosphere: the International GEOTRACES Program	SS44: Factors promoting the expansion of harmful algal blooms in marine and freshwater ecosystems	SS78: Assessing Vulnerability of U.S. Lakes and Reservoirs to Climate Change	SS61: Ecosystem engineering as coastal protection – lessons from theory and practice	SS33: Microbial nitrogen cycling in marine pelagic waters	4:00
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5:45	Poster Session and Reception (6:00 PM to 7:30 PM)													5:45
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6:15	Poster Session and Reception (6:00 PM to 7:30 PM)													6:15
6:30	Poster Session and Reception (6:00 PM to 7:30 PM)													6:30
6:45	Poster Session and Reception (6:00 PM to 7:30 PM)													6:45
7:00	<i>(Exhibit Hall)</i>													7:00
7:15	<i>(Exhibit Hall)</i>													7:15
7:30	Optional Evening Event : Audubon Aquarium of the Americas													7:30
7:45	Optional Evening Event : Audubon Aquarium of the Americas													7:45
8:00	Optional Evening Event : Audubon Aquarium of the Americas													8:00
8:15	Optional Evening Event : Audubon Aquarium of the Americas													8:15
8:30	Optional Evening Event : Audubon Aquarium of the Americas													8:30
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9:00	Optional Evening Event : Audubon Aquarium of the Americas													9:00

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 17-22 February 2013
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THURSDAY, 21 February 2013

Room	Room 333-334	Room 343	Room 344	Room 345	Room 346-347	Room 352	Room 353	Room 354	Room 355	Room 356	Room 357	Room 348-349	Room 350-351	Room
08:00	<p align="center">Plenary and Awards Presentation (8:00 AM to 9:30 AM)</p> <p align="center">Dr. James Syvitski, University of Colorado at Boulder</p> <p align="center"><i>(La Nouvelle Ballroom C)</i></p>													08:00
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09:30														<p align="center">Morning Break (9:30 AM to 10:00 AM)</p>
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10:30	SS71: Watersheds of the Caribbean: Global Change, Science, Policy and Security	SS67: Role of the metalimnion and other internal transition zones in lakes	SS56: Carbon fluxes in aquatic ecosystems at catchment, regional and continental scales	SS53: Sensor Networks in Aquatic Systems: Research and Education	SS30: Biological and biogeochemical responses to human impacts at the sediment-water interface	SS16: Opportunities in the study of ocean particle flux	GS08 B: Plankton Ecology - Zoology	SS77: Transmission of terrestrial signals to the coastal ocean by (large) rivers	SS44: Factors promoting the expansion of harmful algal blooms in marine and freshwater ecosystems	SS13: Integrative approaches to ecological risk assessment of nonindigenous aquatic species	SS46: Groundwater and coastal ecology: Microbial alterations and ecological consequences of groundwater discharge	SS33: Microbial nitrogen cycling in marine pelagic waters		10:30
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12:00	<p align="center">Lunch and Workshops (12:00 PM to 1:30 PM)</p>													12:00
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1:15	<p align="center">ASM Tick Talk Session 84: Geo-Engineering of Aquatic Systems</p>													1:15
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2:15	SS65: The role of Arabia's Seas in projecting marine ecosystem resilience and adaptation to global climate change	SS67: Role of the metalimnion and other internal transition zones in lakes	SS56: Carbon fluxes in aquatic ecosystems at catchment, regional and continental scales	SS28: Sensor Networks in Aquatic Systems: Research and Education	SS34: Biogeochemistry of resuspended sediments in aquatic and coastal marine environments	SS16: Opportunities in the study of ocean particle flux	GS05: Food Web Interactions and Trophic Linkages	SS79: Phytoplankton interactions in aquatic ecosystems	SS42: Comparative Analysis of Marine Ecosystem Organization (CAMEO)	SS13: Integrative approaches to ecological risk assessment of nonindigenous aquatic species	SS46: Groundwater and coastal ecology: Microbial alterations and ecological consequences of groundwater discharge			2:15
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3:30	<p align="center">Afternoon Break (3:30 PM to 4:00 PM)</p>													3:30
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4:15	SS65: The role of Arabia's Seas in projecting marine ecosystem resilience and adaptation to global climate change	SS63: Long-term perspectives on lake research and management		SS28: Sensor Networks in Aquatic Systems: Research and Education	SS34: Biogeochemistry of resuspended sediments in aquatic and coastal marine environments	SS16: Opportunities in the study of ocean particle flux	GS05: Food Web Interactions and Trophic Linkages	SS79: Phytoplankton interactions in aquatic ecosystems	SS42: Comparative Analysis of Marine Ecosystem Organization (CAMEO)	SS13: Integrative approaches to ecological risk assessment of nonindigenous aquatic species	SS51: Iron, carbon cycling, and ecosystem dynamics in the Southern Ocean	SS10: Shedding Light On The 'Black Box' of Dissolved Organic Nitrogen		4:15
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6:00	<p align="center">Poster Session and Reception (6:00 PM to 7:30 PM)</p> <p align="center"><i>(Exhibit Hall)</i></p>													6:00
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2013 Aquatic Sciences Meeting
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FRIDAY, 22 February 2013

Room	Room 333-334	Room 343	Room 344	Room 345	Room 346-347	Room 352	Room 353	Room 354	Room 355	Room 356	Room 357	Room 348-349	Room 350-351	Room
08:00	<p align="center">Plenary and Awards Presentation (08:00 to 09:30) Dr. Klement Tockner, Leibniz-Institute of Freshwater Ecology and Inland Fisheries Dr. Mark Davis, Tulane Institute on Water Resources Law and Policy <i>(La Nouvelle Ballroom C)</i></p>													08:00
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09:45	<p align="center">Morning Break (9:30 AM to 10:00 AM)</p>													09:45
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10:15	SS51: Iron, carbon cycling, and ecosystem dynamics in the Southern Ocean	SS63: Long-term perspectives on lake research and management	SS24: Monitoring and forecasting of surface current-affected phenomena in coastal regions	SS28: Sensor Networks in Aquatic Systems: Research and Education	SS80: Illuminating the biogeochemical roles of microbes	SS25: Evolution of coastal change in the Northern Gulf of Mexico	GS05: Food Web Interactions and Trophic Linkages	GS09: Community Ecology	SS72: Studies of zooplankton and other particles using optical instruments	SS79: Phytoplankton interactions in aquatic ecosystems	SS85: Extreme Aquatic Ecosystems and Their Astrobiological Relevance – A Session in Honor of Robert Wharton	SS52: Populations and activity of ammonia-oxidizing and denitrifying organisms in coastal waters	10:15	
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1:45	SS51: Iron, carbon cycling, and ecosystem dynamics in the Southern Ocean	SS63: Long-term perspectives on lake research and management	SS24: Monitoring and forecasting of surface current-affected phenomena in coastal regions	SS28: Sensor Networks in Aquatic Systems: Research and Education	SS80: Illuminating the biogeochemical roles of microbes	SS25: Evolution of coastal change in the Northern Gulf of Mexico	GS05: Food Web Interactions and Trophic Linkages	GS09: Community Ecology	SS72: Studies of zooplankton and other particles using optical instruments	SS79: Phytoplankton interactions in aquatic ecosystems	SS85: Extreme Aquatic Ecosystems and Their Astrobiological Relevance – A Session in Honor of Robert Wharton	SS52: Populations and activity of ammonia-oxidizing and denitrifying organisms in coastal waters	1:45	
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4:00											SS85: Extreme Aquatic Ecosystems and Their Astrobiological Relevance – A Session in Honor of Robert Wharton Jr.	4:00		
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