

Louisiana Chapter of the American Fisheries Society

Thursday, 25 May 2017 (Day 1)

Presenting author is denoted by an asterisk (). Student presenters are underlined. Abstract page is listed in parentheses.*

- 8:00 AM Registration – 152 Ayo Hall
- 8:50 AM **Welcome and Keynote Speaker Introduction**
- 9:00 AM **Keynote Presentation: Invasive species – do we have to fight all of them?**
Michael Massimi, Environmental Scientist, Invasive Species Coordinator, Barataria-Terrebonne National Estuary Program
- 9:30 AM **Break 1:** Thirty minutes
- 10:00 AM **Population characteristics of red swamp crayfish *Procambarus clarkii* from hydrologically impaired areas in the Atchafalaya River Basin.**
Lauren M. Kong* and Christopher P. Bonvillain
- 10:15 AM **Quantitative and qualitative assessment of crayfish harvesting practices in the southern Atchafalaya River Basin.** Ivan Vargas-Lopez*, Michael D. Kaller, and William E. Kelso
- 10:30 AM **Identifying scale-dependent environmental drivers of crayfish community diversity in Louisiana streams.** William R. Budnick*, Sophia I. Passy, and Michael D. Kaller
- 10:45 AM **Low water during spawning season can lead to a population wide skipped spawning event for bowfin in floodplain systems.** Quenton Fontenot*, Johnathan Davis, Chris Haynes, Alexis Rixner, and Allyse Ferrara
- 11:00 AM **Lunch on your own** (two hours)
- 1:00 PM **Molecular regulation of shell development in eastern oysters (*Crassostrea virginica*) in response to CO₂-related ocean acidification.**
Mackenzie L. Richards*, Courtney H. Healy, Amy J. Mallozzi, Sandra Casas Liste, Jerome F. La Peyre, John Supan, Reagan M. Errera and Wei Xu
- 1:15 PM **Chicken or the egg? How bird hormones could improve hatchery production.** Eric Falls*, Christopher Green, and Sylvie Quiniou
- 1:30 PM **Germplasm repositories can provide a necessary tool for recovery programs of imperiled fishes.** Yue Liu* and Terrence R. Tiersch

- 1:45 PM **Translating high-gradient stream paradigms to the coastal plains streams of Louisiana.** Erin E. Thayer* and Michael D. Kaller
- 2:00 PM **Three-dimensional printing: What is all the fuss about?** William M. Childress*, and Terrence R. Tiersch
- 2:15 PM **Fishes around small oil and gas platforms in the northern Gulf of Mexico's hypoxic zone: changes in relative abundances and depth distributions.** David B. Reeves*, Edward J. Chesney, Ryan T. Munnely, Donald M. Baltz and Brian D. Marx
- 2:30 PM **Break 2:** Thirty minutes
- 3:00 PM **Impacts of ocean acidification on bacterial communities in coastal microbial biofilms.** Greer Darden, Wei Xu, Mackenzie Richards*, Amy Mallozzi, Reagan Errera, Illya Tietzel, and John Supan
- 3:15 PM **Salinity tolerance in hatchlings of the Apple Snail (*Pomacea maculata*) collected from the Barataria-Terrebonne National Estuary.** Ashleigh N. Lambiotte* and Gary LaFleur
- 3:30 PM **The apple snail invasion in Louisiana: what we know and what we don't know.** Sean Kinney*
- 3:45 PM **An evaluation of tournament sampling and continuation of red snapper life history metrics.** Erik T. Lang*
- 4:00 PM **The use of dietary additives as a means of counteracting elevated temperature in rainbow trout: growth, efficiency and physiological performance.** Abigail B. Bockus*, T. Gibson Gaylord, Wendy M. Sealey, Carl J. Yeoman, and Daniel W. Bearden
- 4:15 PM **Interaction of temperature and salinity on the growth and mortality of Louisiana oysters and incorporation into a sustainable harvest model.** Troy L. Sehlinger*, Michael R. Lowe, Thomas M. Soniat, and Megan K. La Peyre
- 4:30-5:30 PM Poster Session – Ayo vestibule
- Crayfish population characteristics in two hydrologically different Louisiana river-floodplain systems.** Alexa Ballinger* and Christopher Bonvillain
- Developing methods to monitor reproductive health in frogs of the B-T National Estuary.** Justin R. Brockmann* and Gary LaFleur Jr.
- Status, abundance, and distribution of the saltmarsh topminnow, and two other SGCN fish in the Barataria Basin.** Joel R. Caldwell* and Bonnie Slaton

Variation in soil shear strength and belowground biomass across wetland types in Louisiana. Kristen M. Chatelain* and Sean A. Graham

Age and growth of Louisiana marine catfishes. Shane Flinn, Stephen Midway, Brandy Malbrough, Lindsey Dey, and Matthew Robertson*

Seasonal diversity and abundance of larval and juvenile fishes in the lower Barataria Estuary. Sean Jackson*

Review of the 2016 Michael C. Voisin oyster hatchery season and implementation of improved standard operating procedures. Jenessa L. Kay*, Erin R. Leonhardt, and John Supan

Effects of chemicals and antibiotics on quality degradation in shrimp. Murshida Khan* and Julie A. Lively

Long-term impacts of *Deepwater Horizon* oil exposure on marsh-stabilizing mutualism between smooth cordgrass (*Spartina alterniflora*) and the southern ribbed mussel (*Geukensia demissa granosissima*). Kellyn LaCour-Conant*, David S. Johnson, John W. Fleeger, Donald R. Dies, Qianxin Lin, Aixin Hou, and Sean Graham

Louisiana Fisheries Forward: advancing our seafood industry. Julie A. Lively*, Thomas M. Hymel, Anne Dugas, and Leslie E. Davis

Physical and physiological thermal stress responses of two sympatric crayfishes in Louisiana, *Procambarus clarkii* and *P. zonangulus*. Jordan Logarbo* and Christopher Bonvillain

Nicholls Honors Program creates a service learning project to conserve Outsider Sculpture Site in the traditional fishing community of Chauvin, LA. Mallory P. Robichaux*, Gary LaFleur, Deborah Cibelli, and Michael Williams

Changes in fish assemblage in Breton Sound Louisiana. Thomas B. Sevick*

The ecological importance of dragonflies and damselflies. Sarah E. Thomas* and Michael D. Kaller

Standardization of vitrification for aquatic species with three-dimensionally printed devices. Nolan J. Tiersch*, William M. Childress, and Terrence R. Tiersch

Development of an aquatic germplasm and genetic resources center. Terrance R. Tiersch*

Multigenerational effects of chronic exposure to the polycyclic aromatic hydrocarbon naphthalene in Gulf killifish *Fundulus grandis*.
Andrea Yamine*, Charles Rice, and Christopher Green

5:30-9:00 PM

Social, student raffle and auction – Nicholls State University Soccer Pavilion (Across the street from John L. Guidry football stadium.)

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Friday, 26 May 2017 (Day 2)

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- 9:00 AM Registration – 152 Ayo Hall
- 9:15 AM **Enhancing fishing opportunities in Louisiana through the Get Out and Fish! community fishing program.** Megan E. MacMenamin*
- 9:30 AM **LDWF's Aquatic Volunteer Instructor Program.** Alayna S. McGarry*
- 9:45 AM **Lessons learned and involvement in Louisiana Department of Wildlife and Fisheries' Derelict Crab Trap Removal Program.** Patrick W. Smith* and John A. Lopez
- 10:00 AM **SCIENCE tools and assessments to support aquatic conservation in the Gulf Coast and beyond.** Benjamin M. Kahler* and Blair E. Tirpak
- 10:15 AM **Break 1.** Fifteen minutes
- 10:30 AM Business Meeting and Awards Presentations