



President's Message

Florida Lake Management Society

Managing Florida's Water Resources



After a successful symposium, I'm excited to be starting my year as FLMS president on a high note.

Fellow colleagues,

Each year not only do I look forward to listening to all of the interesting and high-quality presentations but also catching up with my friends and colleagues. I am sure you do as well. I would like to welcome several new members to the board, Gloria Eby, Rob Burnes, Steve Mont-

S Newslette

gomery & Niles Cyzycki. We are also saying farewell this year to several long time hard-working, board members: Jim Griffin, Sam Arden and Todd Olson. Folks like these who put in years of service are the key to a successful society. A few times a year, our local chapters host workshops which not only provides us some networking

time in between conferences, but also exposure to potential new members. Membership in our society continues to remain steady but I would like to see us expand and reach areas we have not in the past. In order for our society to continue moving forward, your input is essential. Many of us are involved in more than one organization, so if there's something that you would like to see us do, please let us know. At the same time if there something we're doing right and you want to make sure we keep doing that,

let us know that too! The door to the Oval Office is always open and I welcome your comments,

Ron Hart

upon themselves to beautify the stormwater pond in their Southwest Florida neighborhood. With the

Citizen Scientists Create DIY Floating Islands by Ernesto Lasso de la Vega

Citizens of the Venice Garden Civic Association Lakes Group (aka The Lakes Group) have taken

help of a FLMS Love Your Lakes Shoreline Grant Program, the residents were able to purchase plants to protect the shoreline in places where erosion and lack of vegetation has jeopardized their shore properties.



In addition, plants and materials were also used to construct a prototype "do-it-yourself" floating island. This island will work as a filtration unit for the excess nutrients present in the water and will generate more plants as they overpopulate the island. These plants will then find their place as new shoreline plantings where homeowners have accepted the responsibility and desire to enhance their littoral zone.

The civic association has invested over 63 hours of work, showing other communities that their efforts have paid off. Birds have been spotted nesting in these areas, flowering plants have beautified the shore and the community is expecting the water quality to im- Gardens create their own island prove. Citizen scientists will continue to monitor the pond with measurements of turbidity in the water using a Secchi disc. Editor's note: Ernesto Lasso de la Vega of Lee County continues to work with the homeowners providing education and guidance for their project. He will be creating a short video at the end of

suggestion, please send it to the Committee at flmshome@aol.com.

Mark your calendars for June 6—9, 2017 as FLMS

Save the Date! FLMS 28th Annual Technical Symposium & Workshops

Members of the Lakes Group at Venice

heads to the beautiful island of Captiva! Next year's annual symposium will be held at the South Seas Island Resort. Pre-symposium workshops will be held on Tuesday, June 6 and the general session will run

The Symposium Committee is currently entertaining suggestions for the overall theme. If you have a

The Call for Abstracts will go out later this fall. The Program Chair will be looking for oral as well as

The most current symposium information can be obtained during the year on our website at

SOUTH SEAS from June 7 to 9, 2017. The hotel rate is \$169/night ISLAND RESORT and the symposium 3 day rate will remain the same at \$260.

poster presentations.

www.flms.net.

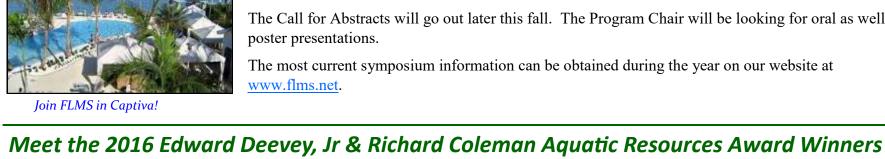
leaching, runoff).

son Waterworks.

agement.

dents. This year's winners are:

the project. Stay tuned!



ing the annual symposium in Daytona Beach Shores. **Dr. Ann Shortelle** received the *Edward Deevey, Jr. Award*. This award is given to an individual for contributing to our scientific understanding of Florida's water bodies. Edward Deevey was an internationally recognized limnologist and affiliated with the State Museum of Florida at the time of his death. Dr. Shortelle is the executive director of the St. Johns River Water Management District, where she began work June 1, 2015. Dr. Shortelle has more than 25 years of professional experience

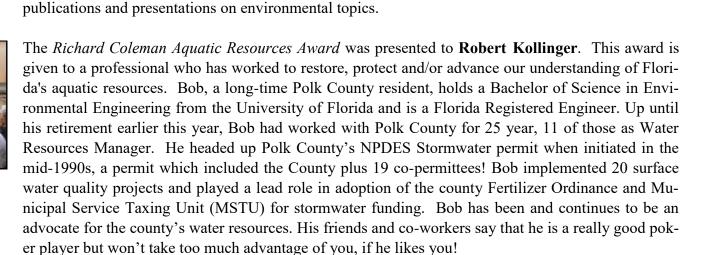
in lake, riverine and reservoir management for water quantity and quality. Her experience also in-

cludes surface water/wetlands restoration, surface water modeling, permitting and environmental as-

sessments. She holds a doctorate degree in limnology from the University of Notre Dame and a bache-

lor of science degree in biology from Mercer University. She has authored/co-authored more than 40

Each year the Awards Committee seeks to honor individuals or organizations that have made great contributions to the field of lake and watershed management. This year's awards were presented dur-





FLMS Treasurer Lance Lumbard pre-

Former FLMS Student Studies Nitrogen Mineralization by Mriganka De

Collecting soil samples (pre-planting) from

the manured field using hand auger

Bob Kolinger, seated, blue shirt, re-

ceives the Richard Coleman Aquatic

standing, during "lunch with the

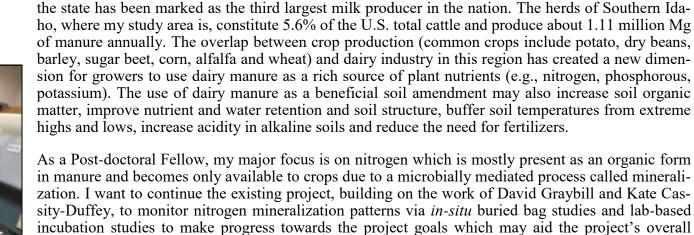
guys".

Resources Award from Hans Zarbock,

In December when I moved to Twin Falls, Idaho, I had NO idea how to deal with 2-3 inches of snow covering my car, pavements and roads. It may sound funny but it was hard for me to get acclimatized with the new environment as I hail from a tropical country (India) and moved to sunshine state, Florida, a semitropical region, to pursue my doctoral program. It seemed that changing climate trends of the places I lived in challenged me to embrace the changing pattern of my career path; however, in a positive way. Thus, my new position as a Post-doctoral Fellow at the Department of Plant, Soil and Entomological Sciences, University of Idaho under Dr. Amber Moore's direction offered me a great opportunity to work on monitoring and predicting nitrogen mineralization related to long term dairy manure applications to calcareous Idaho soils. This postdoctoral position spiked my interest me as I was excited to learn about the scope and potential to extend my understanding and knowledge on nitrogen from dairy manure to resolve questions on maximizing the availability of nitrogen to crops

from dairy manure applications and minimize the losses of nitrogen to environment (e.g., nitrate

In the past two to three decades, the dairy industry of Idaho has experienced significant growth and



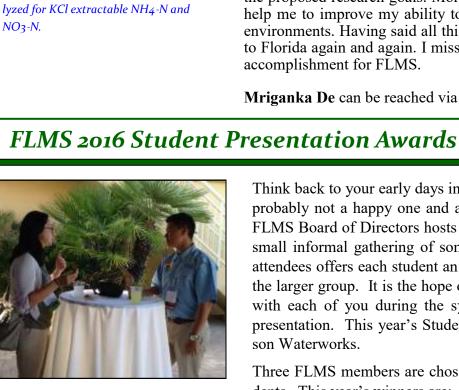
success. For example, quantification of rate and extent of nitrogen mineralization due to the effect of temperature, soil moisture content, and different rates of manure application (16 ton/acre annual, 16 ton/acre biennial, 32 ton/acre annual, 32 ton/acre biennial, 48 ton/acre annual, and 48 ton/acre biennial) may help to determine the manure application timings (fall versus spring) and appropriate rate of manure application for a particular texture (silt loam soils typically found) and crop rotation to improve crop yield and soil health. As a part of this project, I am also trying to design a new study where my goal would be to characterize different soil physical properties (both soil strength and water transmission) at two soil depths (0-6" and 6-12") in response to long term manure application

I am confident that both field and laboratory-based experience will help me to successfully carry out

the proposed research goals. Moreover, I strongly believe that collaboration with my co-workers will

help me to improve my ability to work productively in a team and quickly adapt to a new research

(after 3 years of manure application) at different rates as described above.



Mriganka performs KCl extraction of those soil samples collected above. After KCl

extraction, samples will be further ana-

NALMS Certification Program Gets New Provisional Lake Manager & Professional Distinctions

AMERICAN

ANAGMENT

environments. Having said all this, I must say that I may come to Idaho for my job but I will go back to Florida again and again. I miss Florida and miss my FLMS family most. I wish all the success and accomplishment for FLMS. Mriganka De can be reached via email at mriganka32@gmail.com Think back to your early days in lake management. The thought of giving a public presentation was probably not a happy one and a talk in front of your peers was terrifying. With that in mind, the FLMS Board of Directors hosts a Student Meet & Greet at the beginning of each symposium. This small informal gathering of some current and past FLMS board members and that year's student

attendees offers each student an opportunity to get to know a few people before getting thrown into the larger group. It is the hope of the Board that the students will feel more comfortable interacting with each of you during the symposium, thereby gaining a feeling of confidence prior to their presentation. This year's Student Meet & Greet was sponsored by Eureka Water Probes & Fergu-

Three FLMS members are chosen to judge both the oral and poster presentations given by the stu-

NALMS is pleased to announce the addition of the Provisional Lake Manager (PLM) and Provisional

Until now certification was only open to professionals. The PLM and PLP distinctions now offer a path to certification for undergraduate and graduate students who may not have enough professional

1st Place Oral Presentation: Mark Lucius, Florida Gulf Coast University

2nd Place Oral Presentation: Sara Miller, University of Florida

Poster Presentation: Chao Xiong, University of Florida

Each student received a monetary award in addition to their recognition.

Lake Professional (PLP) distinctions to its Certification Program. NALMS' mission is to forge partnerships among citizens, scientists, and professionals to foster the management and protection of lakes and reservoirs. NALMS created the Certification Program to aid this mission by identifying professionals who have exceptional training and experience in lake man-

experience to meet the requirements of full certification. This allows NALMS to identify upcoming students as they work to gain experience and training in lake management. NALMS currently has 88 fully certified Lake Managers (CLM) and Lake Professionals (CLP). These individuals play a critical role in providing lake and reservoir management guidance to public and private organizations throughout North America. With the initiation of the PLM and PLP distinctions, NALMS hopes to add ten new certified individuals per year and expand the reach of the Certification Program. For more information on any of the NALMS Certification Programs, contact Greg Arenz at garenz@nalms.org Two New Categories Added to Annual Awards

> Last year's symposium was themed around the great work our volunteers do all over Florida. The Board of Directors felt it fitting that they be recognized for their contributions to lake and watershed protection and restoration. Therefore, the Dr. Daniel E. Canfield, Jr. Volunteerism Award was created. The award is named after Dr. Daniel Canfield, founder of Florida LAKEWATCH, the pioneering citizen-volunteer water quality monitoring program involving over 1,200 lakes statewide, and now being emulated across the United States. The award is given to a volunteer organization or outstanding volunteer for significant contributions to the research, restoration and/or preservation of our water resources. The Awards Committee felt it very appropriate that the winner of the first award be Florida LAKEWATCH. Florida LAKEWATCH is a successful example of a long-term volunteer water quality monitoring program that started in 1986. Working with thousands of volunteers, these

> dedicated citizen scientists have collected reliable long-term water quality data for over 1200 lakes,

175 coastal sites, 120 rivers, and 5 springs. These data encompass water resources in 57 Florida

We have many extremely talented young professionals in our midst and FLMS would be remiss if it didn't recognize them. In creating the new FLMS Young Professional Award, the Board wishes to call attention to their contributions and new ideas. The FLMS Young Professional Award is presented to a young lake management professional who exhibits exemplary professional accomplishments and a commitment to water resource protection and management of our lakes and watersheds. The winner of the inaugural award is Dr. Dana Bigham Stephens. Dana has been a member of FLMS

counties. Mark Hoyer and Dan Willis accepted the award on behalf of the program.

since 2007 and has served on its Board as well as on the NALMS Board. She is the Director of the Mattie M. Kelly Environmental Institute at Northwest Florida State College. Her research examines temporal and spatial shifts in aquatic ecosystems with focus on anthropogenic and natural drivers of change. Through sharing her research and teaching a variety of courses in the natural resource sciences in academia and within the community, Dana strives to engage individuals as environmental stewards. Dana received her B.S. from University of Wisconsin-Madison and M.S. and Ph.D. from University of Florida. She completed a postdoc in science education and currently holds a courtesy facul-

We encourage citizens to enjoy their lakes throughout the year but especially in July – as July is Lakes Appreciation Month. The North American Lake Management Society (NALMS) sponsors Lakes Appreciation Month each July to draw attention to the value and importance of lakes and res-

beaches, and on lakeshores. Boating, fishing, and swimming are favorite recreational uses of American lakes and reservoirs. Lakes and reservoirs also play other vital, and often hidden, roles. They provide drinking water and irrigation water for agricultural fields and are a source of

and provide homes for precious wildlife.

ty appointment at University of Florida.

ervoirs. NALMS also sponsors The Secchi Dip-In each July.

Americans love to spend July, especially the Fourth, on the water, at

electricity and power generation. They also serve the important function of absorbing rainfall and runoff from land, help to prevent floods,

It is clear that as we enjoy and use lakes, we have to protect them. Be-

cause lake pollution is caused by so many different activities, no one

are key components to any successful lake protection effort. Visit the NALMS Lakes Appreciation Month page to see what NALMS is doing this year. FLMS Would Like to Recognize Our Non-Profit & Corporate Members **Beautiful Ponds**

> FL 34275 23400 Mercantile Road Suite 8 Friends of Erin Park Canals & TEL: 941-488-1942 Beachwood, OH 44122 Little Lake Jackson Email: Russ@BeautifulPonds.com

Winter Garden, FL 34787 Environmental and Permitting Services 2002 East Robinson Street Orlando Florida 32803 Main Office 407.894.5969 Toll Free 877,894,5969 info@bio-techconsulting.com www.bio-techconsulting.com

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Our Mission

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The mission of the Florida Lake Management Society is to promote protection, enhancement, conservation, restoration and management of Florida's aquatic resources; provide a forum for education and information exchange; and advocate environmentally sound and economically feasible lake and aquatic resource management for the citizens of Florida.

Orlando • Vero Beach • Key West • Jacksonville • Tampa

FLMS Board Member April Verpoorten chats with student Chao Xiong during the Student Meet & Greet

Volunteers enjoy canoeing on Lake Harris in Leesburg while joining the effort to remove invasive apple snail eggs.

Dr. Dana Stephens is presented the first FLMS Young Professional Award by Lance

Lumbard, Awards Committee Chair July is Lakes Appreciation Month

Mark Hoyer & Dan Willis represent the LAKEWATCH program during the awards ceremony.

Non-Profits

regulation will suffice to prevent it. Education and outreach aimed at changing individual behavior Lake Powell Community Alliance

TEL: 216-765-0582 j.beaver@bsaenv.com

E-MAIL: BIOSPHERE@BioSphereNursery.com

2 Golf Tourneys & a Raffle Support FLMS Students at Symposium



Golf Tourney Winners Colin Kirk, Chris Fagerstrom & Jeff Smith



Tom James may have another profession to fall back on in case this lake management stuff doesn't work out.

The seventh annual golf tournament was held at the Daytona Beach Golf Club and raised \$600! The winning team was Chris Fagerstrom, Colin Kirk, Jeff Smith. The team received a freshly 3-D printed trophy created by FLMS Treasurer Lance Lumbard.

Those of us who don't have the golf gene enjoyed an evening of Putt Putt at Hawaiian Falls Golf, raising nearly \$400. The scores were very close, as evidenced by Maryann's post-putt-putt charts and graphs. But, in the end, the winners were Ron Hart, Colin Kirk, Rob Burnes and Nia Wellendorf. This is Ron's second time coming in 1st at Putt Putt. We suggest you all practice so someone can give Ron a run for his money!

And, in case you had to leave before the raffle tickets were drawn... Jodi Slater won the two night

stay donated by South Seas Island Resort and John Walkinshaw won the \$150 Amazon gift card donated by Chemical Containers, Inc. The fund is named in honor of long-time FLMS member and past board member Kevin McCann

who, up until his death, was a great supporter of young lake management students and professionals. Overall, FLMS raised over \$1,400 for the scholarship fund this year!





No pressure Sergio! No one is watching...



Notes from the FLMS Office

Membership Renewal Time!



renewal notices when she gets back in the country at the end of July. The annual dues are \$50 per

What is the AmazonSmile Foundation?

individual and can be paid via check, credit card or PayPal. Following the main renewal period, a new member directory will be sent out so if any of your contact info has changed in the past year, please let us know. **Job Opportunities**

New listings have been added to our job postings page. Check back often for updates. If you have

Our Society's membership year runs from June 1 to May 31 each year. Members who attend the full annual symposium automatically have their membership renewed. Maryann will be sending out

an opening, please send it to flmshome@aol.com!

purchases on AmazonSmile.

Use AmazonSmile and support FLMS!

The AmazonSmile Foundation is a 501(c)(3) private foundation created by Amazon to administer the AmazonSmile program. All donation amounts generated by the AmazonSmile program are remitted to the AmazonSmile Foundation. In turn, the AmazonSmile Foundation donates those



From the 2016 Annual Symposium

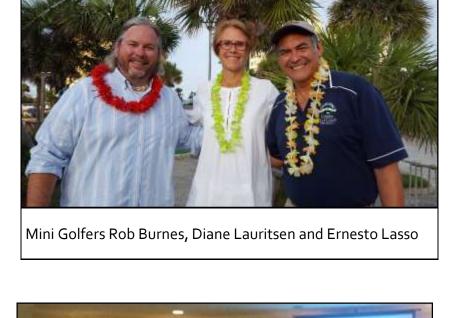
amounts to the charitable organizations selected by Amazon customers. Amazon pays all expenses of the Amazon Smile Foundation; they are not deducted from the donation amounts generated by

How does AmazonSmile work? When first visiting AmazonSmile, customers are prompted to select a charitable organization from almost one million eligible organizations. In order to browse or shop at AmazonSmile, customers must first select a charitable organization. For eligible purchases at AmazonSmile, the AmazonSmile Foundation will donate 0.5% of the purchase price to the customer's selected charitable organization.











Todd Olson receives the President's Award for 2016



Fish ID Workshop Attendees



General Session Panel Discussion



Sergio Duarte discusses the Love Your Lake grant program.

