

# Coastal Voice

THE NEWSLETTER OF THE AMERICAN SHORE & BEACH PRESERVATION ASSOCIATION

— February 2017 —

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## ASBPA is ready for 2017

By KATE & KEN GOODERHAM,  
ASBPA Managing Directors

With all the change going on at so many levels, it is remarkable that ASBPA can say it is ready for 2017 — but we are. We'll touch on a few of the ongoing efforts, many which are outlined in more depth in this issue.

- The Science and Technology Committee has been busy working with agencies on Near-shore Community Integrated Research and Dune Management Challenges.

- The Government Affairs Committee has been developing messaging and a direction to go that will focus on infrastructure in 2017. In February they will be releasing the 2017 Legislative and Federal Agency Agenda.

- Preparations for the Coastal Summit is in full swing, offering a wide range of programming and presentations to give attendees the information and tools they'll need to be effective advocates on the federal level. This includes rolling out a report on the volume, miles, and cost of U.S. Restored Beaches, the most

## MANAGING REPORT



KATE & KEN GOODERHAM

comprehensive study to date.

- This year we are holding a joint Hill briefing for the first time with the Coastal States Organization; they are also joining us for our Coastal Celebration on the Hill. With the changes being advanced in the new administration, the visits to federal agencies will be all the more critical.

- We have DVDs and USB drives of "90 Years of ASBPA" available, offering a complete set of *Shore & Beach* from 1933 to 2016 plus conference proceedings from the first seven years (before *Shore & Beach* began).

- The 2016 Best Restored

■ Continued on next page

Save the dates!

■ **Feb. 28-March 2: ASBPA's Coastal Summit, Washington, DC. Registration is open**

■ **Oct. 24-27: ASBPA's National Coastal Conference, Fort Lauderdale**

## A crucial time for federal engagement

By MICHAEL WALTHER,  
ASBPA Coastal Summit co-chair

Republican and businessman Donald Trump is now the 45th president of the United States. The U.S. Senate and House of Representatives both now have a Republican majority. There remains great uncertainty as to the direction that President Trump and Congress will take the country relative to infrastructure and the environment, among the myriad of policy matters they will address. It's important that we become engaged in the formulation of federal policy.

The Republican party has espoused a platform including "Rebuilding the Economy and Creating Jobs" and changes relative to policies for "our country's investments in transportation and other public construction." Federal policy changes are needed and are likely as related to America's coastal communities. As a businessman and developer, President Trump is likely receptive to the fundamental economic reality of investments and returns. ASBPA's experience points to the need for greater federal investment in infrastructure including for storm damage reduction and ecosystem restoration; experience from Hurricanes Katrina and Sandy specifically demonstrate that public investment can prevent future public costs.

In December 2016, Congress passed the "Water Infrastructure Improvements for the Nation Act" or the WIIN Act (also known as the Water Resource Development Act [WRDA]). The WIIN Act has many

promising policy provisions that will require clarification via "guidance" documents to be developed under the Trump administration.

Participation in ASBPA's Coastal Summit, from Feb. 28 to March 2 in Washington, DC, is an opportunity to become engaged in the discussion that will help shape federal policy. Our future quality of life depends upon us to represent our common interests in the federal arena. Please join ASBPA at the 2017 Coastal Summit for which the theme is: A New Commitment to Our Coasts!

■ **Program:** <http://asbpa.org/conferences/2017-coastal-summit-program/>

■ **Registration:** <https://www.regonline.com/builder/site/?eventid=1904028> ❖

## Coastal Celebration planned on Capitol Hill

By DEREK BROCKBANK,  
ASBPA Executive Director

ASBPA has held, for a number of years now, a joint policy on the "Improved Management of America's Beaches" with the Coastal States Organization (CSO), which represents the governors of the 35 coastal states, territories and commonwealths on ocean, coastal and Great Lakes issues. We have increasingly been coordinating our federal policy efforts with CSO, including drafting joint letters and press statements on the Water Resources Development Act and coastal appropriations. So we are pleased to announce that at this

## Ready

■ Continued from page 1

Beaches will be honored at the Coastal Summit, while the Call for Nominations for the 2017 Best Restored Beaches is now open.

- The Student and New Professionals Committee are planning speakers on quarterly phone calls.

- We've just opened the Call for Abstracts for the 2017 National Coastal Conference in October.

- The winner of the photo contest and the first 2017 issue of *Shore & Beach* should be out the end of February.

We're sure we've forgotten something, but you have a taste for the year ahead. We have a lot going on — which means a lot of opportunities for you to participate and make a difference. ❖

year's Coastal Summit, rather than hosting our own private reception we will be hosting a joint Capitol Hill "Coastal Celebration" with CSO.

The Coastal Celebration is an opportunity to recognize and thank Congress for their support of the incredible work on behalf of our nation's coasts both now and in the future. This year's event will be a chance for coastal managers, business owners, conservation groups and other leaders working on

coastal issues to connect with Congressional members and their staff.

We're looking forward this joint event and our continued partnership with CSO. ❖



## A new federal era and a new commitment to our coast

By **DEREK BROCKBANK**,  
ASBPA Executive Director

On Jan. 20, the United States embarked on a new path for our coast. Whether you think the new administration coupled with a Congress of the same party offers more opportunities or threats to our coast may well depend on your own personal politics, but there are undoubtedly both chances and challenges ahead. As ASBPA board member Joan Pope said: “Things will get done, and that’s good and bad.”

In my perspective, the biggest opportunity we need to capitalize on is President Trump’s call to invest in our nation’s infrastructure. While Republicans in Congress will seek to significantly cut the federal budget, advancing an “off-budget” infrastructure bill may be possible.

As ASBPA members, we know that our beaches, dunes and wetlands are essential flood risk reduction infrastructure. Unlike seawall and levees, they provide ecological habitat, recreation and sustain coastal economies, creating a much greater return on investment than structures that serve a single purpose. Restoring beach, dune and coastal systems is also an incredible job creator – studies have shown that coastal restoration can create or maintain 30 jobs for every million dollars invested. The challenge is that most politicians think of infrastructure as steel and concrete; we need to make the case that working with nature and blending both “green” and “grey”

### WASHINGTON REPORT

infrastructure is critical and cost-effective.

Conversely, I believe our biggest challenge will be the administration’s and congressional leadership’s disregard for science - most conspicuously, but not exclusively, a denial of climate change and sea level rise models. Refusal to take further action, and undermining existing efforts, on reducing the pollution that causes climate change puts our existing coastlines at increasing long-term risk from sea level rise and coastal storms. While climate pollution is not an issue ASBPA works on, understanding the rami-



**BROCKBANK**

fications of climate pollution’s lasting effect on our beaches and shores will impact management practices and policies intended to preserve them, which we do work on.

Additionally, we have seen indications (bills being introduced, statements from administration advisors, etc.) that government science will be defunded or even suppressed. ASBPA’s mission is “dedicated to preserving, protecting and enhancing our coasts by merging science and public policy,” and so, if we do see significant threats to scientific integrity at agencies like the U.S. Army Corps of Engineers, NOAA, FEMA or within the Department of Interior, this may be a new area in which we begin to engage.

You can learn about these issues and more at our Coastal Summit, “A New Commitment to Our Coast” Feb. 28-March 2; hope to see you there. ❖

## Keeping up with changes on the Hill

By **DEREK BROCKBANK**,  
ASBPA Executive Director

Much attention has, justifiably, been placed on the new administration, but Congress has had some big changes too. In addition to 50+ new members, committees with coastal jurisdiction have had major leadership changes. Senate Environment and Public Works committee has a new Chair, John Barrasso (R-WY) and a new Ranking Member, Tom

Carper (D-DE); Senate Appropriations committee has a new Ranking Member, Pat Leahy (D-VT); House Energy and Commerce has a new Chair, Greg Walden (R-OR-2). To find out what’s on the agenda of these committees, during the Summit we’ll be hosting a briefing on Capitol Hill with committee staff to hear firsthand what we can expect in the coming months. The briefing will be held in the Senate Commerce Committee hearing room, right before the reception. ❖



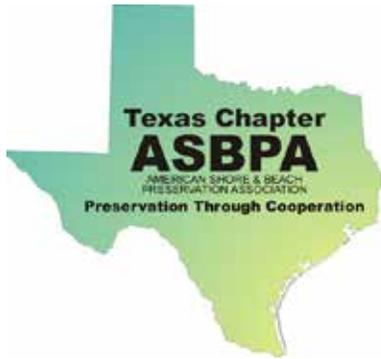
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## Let's count all the benefits of federal coastal investment

By TONY PRATT, ASBPA President

At my request Kate Gooderham sometimes suggests topics for my "Coastal Voice" column. Such was the case this month as the due date for my column approached. She urged me to reach out to our members to encourage you to participate more actively in federal government (agency, administration and Congress) dialogue that speaks to healthier coasts and beaches. I also had a quick peak at Derek's column this month about how we can identify and pursue common interests with the new administration and Congress.

I'd like to use my space this month to endorse what I, as both a long-term state beach manager and ASBPA president, consider to be the single most challenging and important obstacle or opportunity for REAL federal investment in national shore and community protection. The issue is complete analysis, quantification and monetization of the full suite of values accrued from protecting and enhancing the nation's shores.

Many of you have heard me champion this "full benefits valuation" to best inform budget decision-makers as they decide what gets funded. It has long been my professional observation that, while every penny of beach protection and enhancement cost is estimated, monitored and accounted for, only a very small amount of the benefits stemming from that same work is

### PRESIDENT'S REPORT

estimated and accounted for.

Work done by Dr. James Houston over the past few decades, and reported on in *Shore and Beach*, has consistently shown that beaches that are maintained and enhanced through federal investment produce a positive cash-flow back to federal government that far exceeds the investment. We have yet in this country to conduct a



PRATT

careful analysis of the damages avoided through pre-storm mitigation measures, nor have we projected what human suffering as well as response and recovery expenditures could have been avoided if

we had invested in storm protection projects prior to Sandy, Katrina, Ike, Andrew, etc., etc.

Shame on us as a nation to not know what we get and what we avoid through this investment. ASBPA must, this year, double our efforts for a national investment for coastal hazard reduction that uses the full accounting of benefits from this work. The new administration and Congress will, I predict, be surprised at how much their investment in our coast will actually provide available revenue for other budget demands that do not generate a funding surplus on the investment.

Let's get the story right and tell it to those who make the decisions about what and where federal dollars should be spent. This will be a focus area for me this year. ❖

## Why should you attend this year's Coastal Summit?

- 1 The roll-out of ASBPA's 2017 Study on the Miles of Restored Beaches in the U.S.
- 2 Stakeholders' Perspectives on Getting Sand on the Beach
- 3 Collaborative Science: Creating a National Coastal Research Program
- 4 The Corps, Civil Works and the Coastal Engineering Research Board, by Major General Donald Jackson
- 5 Moving Backward: Planning for Retreat
- 6 Best Restored Beaches: Sharing Best Practices with the 2016 BRB award winners
- 7 Coastal Champion and former Senator Mary Landrieu
- 8 The Lay of the Land with DC Lobbyists
- 9 Advocacy visits recap
- 10 Organized visits to the Corps and with key coastal agencies
- 11 Meet with your Member of Congress and others to tell the facts about investing in healthy coasts
- 12 James Dalton, USACE Director of Civil Works
- 13 Norma Jean Mattei, president of the American Society of Civil Engineers
- 14 Collin O'Mara, president of the National Wildlife Federation
- 15 Renee Orr, Chief, Office of Strategic Resources, Bureau of Ocean Energy Management ❖

## Win bragging rights for your restored beach

By LEE WEISHAR, ASBPA Best Restored Beach Chair

**S**o you think you have the best beach in the United States! You think that your beach is the widest, has the best sand, and provides the absolutely best place to throw down your beach towel and spend a glorious day underneath a picture perfect blue sky. I am also sure that you are convinced that your community does more to maintain your nourished beach than your rivals just down the shore. Well if this is the case you should submit your beach for the ASBPA Best Restored Beach award so that when you win you will have unquestionable bragging rights for years to come.

After winning the Best Restored Beach Award, the benefits continue. For instance, your Convention and Visitors Bureau can use the award to publicize your beach. You can hold press conferences publicizing your award and/or use the award to gain face time with your representatives that have helped support you in obtaining funds to re-nourish your beach. This also gives them good publicity at the beach and also provides you yet another opportunity to show your competitors that you unquestionably have the best beach around. In short, we want to see your beach through your eyes so that we can feel pride that you have in your beach.

So how do you obtain these bragging rights? Merely go to the

ASBPA website (ASBPA.org) and click on the pulldown menu "About Us," and then click on "Awards." This will take you to the page with the application for the Best Restored Beach Award. In general, we are looking for the following information:

Submissions must be sent electronically to [Bestrestored-beach@asbpa.org](mailto:Bestrestored-beach@asbpa.org) by April 10, 2016. The nomination text must be in MS Word, Word-Perfect, or PDF, and photos must be saved in JPEG or TIF formats. A nomination checklist is available at [www.asbpa.org](http://www.asbpa.org). We encourage all applicants to use this form to make sure their application is complete.

Nomination packages must contain the following:

1. Nominator's contact information (name, address, phone, fax, email).

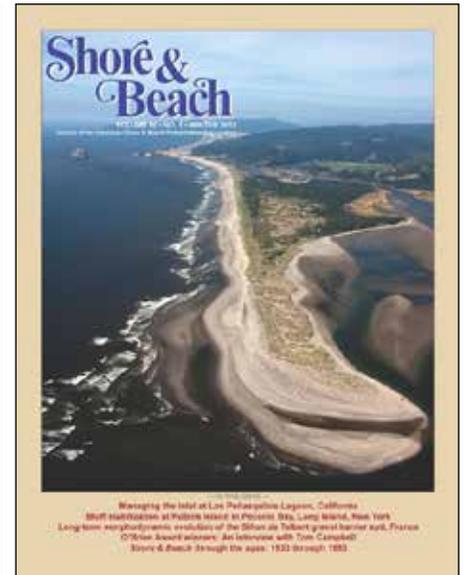
2. The name and contact information for the nominee's public relations specialist who will be coordinating with the media for press releases, etc.

3. The name of the project manager, design engineer, and the dredge contractor who constructed the project.

4. Project description (whether or not it is a federal project, sponsors, designers, engineers, location, length, dates and volumes of nourishment material for each nourishment episode and dates of nourishments, obstacles overcome, success of project).

5. At least one professional

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## Simplify your life... have all your S&Bs close at hand!

**I**nstead of searching for your past issues of "Shore & Beach," purchase a copy of "90 Years of ASBPA," the digital collection of all the past Shore & Beach journals (including a searchable index) from 1933 to 2016 and conference proceedings from 1927 through 1929. They are all on a convenient DVD or flash drive at a cost of \$100 for members (or 5 for \$350), \$200 for non-members, and \$250 for libraries and other institutions. Fill out the order form and enclose a check or credit card information and send to ASBPA, 5460 Beaujolais Lane, Fort Myers, Florida 33919. If using a credit card, you can email or fax the information. The fillable order form is available at <http://asbpa.org/wpv2/wp-content/uploads/2016/11/DVDOrderformASBPAfillable.pdf>

P.S. We will have discounted copies at \$90 for members at the Coastal Summit! ❖

## Researching tsunamis from academia to industry

By TAYEBEH S. TAJALLI-BAKHSH, Ph.D., Ocean Engineer and Senior Scientist at RPS ASA

I have always been fascinated by nature's complexities, especially wave formation and breaking, leading me to study physics, "the science of nature." However, it was the fluid mechanics course in my senior year of college, which showed me the path: I chose to study Physical Oceanography for my Master's degree at Tarbiat Modarres University, Iran.

Simultaneously, I worked in a private R&D startup on "Smart Wells" where I researched Fiber Optical Temperature and Pressure Sensors in a fluid environment. This was well worth it as my first experience in the industry, because it let me combine my knowledge about fluids, their properties and measurement methods, and the basics of optics and see their direct applications in the real life. And there was a sparkle: I loved the industry and its quick and direct impact in an applicable way.

In 2004, when the tsunami of Sumatra happened, it occurred to me that it was necessary to work on this phenomenon to help and save people all around the world. So I focused on mathematical equations explaining tsunami waves and also numerical modeling of these waves for my Master's thesis. Meanwhile I took part in a workshop on Tsunami Modeling by ComMIT taught by Professor Charita Pattiaratchi from the University of Western Australia. He was the one who encouraged me to continue my education as a graduate student at their department. Thanks to his



Tayebah S. Tajalli-Bakhsh encouragement, I was inspired to further pursue my study and expand my knowledge in this field. It was almost two years after my Masters that I got admitted to the Department of Ocean Engineering of University of Rhode Island, with funding for working on tsunami simulations.

During my Ph.D. and as part of collaboration with the University of Delaware, I worked on National Tsunami Hazard Mitigating Program project on assessment of coastal tsunami hazards for the

U.S. East Coast. Our study included applying tsunami generation, propagation, and coastal impact models for significant tsunami case studies, both historical and hypothetical, in which large and small scale modeling of tsunami hazards were performed numerically.

Also I worked on National Science Foundation-funded projects on 2004 tsunami of Sumatra and 2011 Tohoku tsunami, besides a couple of industrial projects assessing the tsunami risk for nuclear power plants on the U.S. East Coast. These industrial projects were life changing: I am working at the same company –RPS ASA– that I did those tsunami assessments for. This company is a consulting firm, meaning we should come up with solutions for our clients' problems. So I am not only simulating tsunami waves, but also other hydro/wave models.

Although my Ph.D. was purely on tsunami simulation, I wanted to broaden my horizon by applying various numerical models and solving different real life issues. I knew what I had learned during my Ph.D. was applicable to more than just the study of tsunami waves, including how to start a project from scratch by defining it, training myself, developing the project and getting the results.

Besides our short turn-around projects, which are main part of the business in RPS ASA, I worked on setting up a hydrodynamic forecasting system for Persian Gulf using ROMS, and I did storm surge simulations for the National Parks on the U.S. East Coast, using AD-

*Students & new professionals*

# asbpa

American Shore & Beach Preservation Association

Advocating for healthy coastlines

The Student/New Professional Committee submits a monthly column that either highlights research or experience of ASPBA's students and new professionals. If you are a student or new professional and would like to contribute to the monthly student/new professional column, please contact Tiffany Roberts Briggs: [briggst@fau.edu](mailto:briggst@fau.edu). If you are a seasoned professional and would like to connect with any of the monthly writers, please also contact Tiffany Roberts Briggs.

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## 2017 National Coastal Conference abstracts due May 8

The American Shore & Beach Preservation Association (ASBPA), in cooperation with the Coastal Zone Foundation, announces the Call for Abstracts for its 2017 National Coastal Conference, Oct. 24-27, at the Greater Fort Lauderdale/Broward County Convention Center, Fort Lauderdale, FL.

ASBPA is the nation's first organization to promote science-based policies for the preservation of coastal areas. The theme of the 2017 conference, "Beaches, Bays, and Beyond," continues to broaden our focus across the entire coastal and estuarine system. The National Coastal Conference provides an opportunity for all coastal stakeholders to learn together and develop collaborative networks and resources to promote best management practices to maintain and improve the health of our coastal and estuarine shorelines and ecosystems.

Technical and policy-oriented presentations or posters are invited for a broad range of coastal & estuarine ecology, science, engineering, economics, and policy. Specific topics include, but are not limited to:

- Design Concepts and Projects
- Green/Grey Infrastructure and Living Shorelines
- Regional Comprehensive Coastal Studies
- Lessons Learned from tropical storms/hurricanes (Matthew, Sandy, Katrina, Ike, etc.)
- Coastal & Estuarine Landscape Architecture
- Coastal & Estuarine Modeling

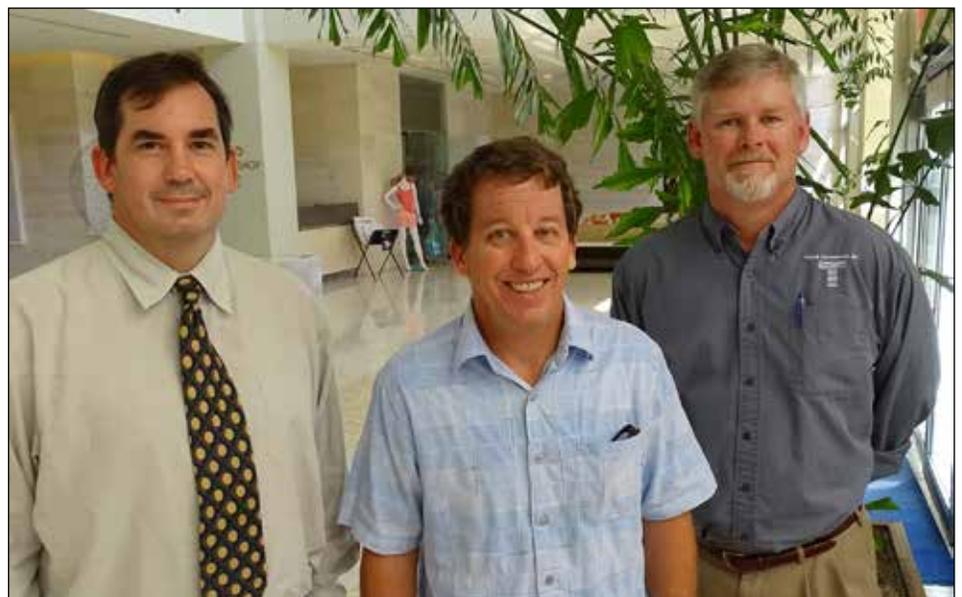


- Coastal Hazard Mapping & Analysis Tools
- Coastal & Estuarine Resiliency
- Sea Level Guidance, Planning and Adaptive Management
- Beach Restoration and Coastal Structures
- Lagoon, Wetland, Marsh, and Estuary Restoration and En-

hancement

- Regional Sediment Management
- Economics of Coastal Resources
- Federal, State, and Local Coastal Policy, Regulatory and Legal Issues
- Sand Source/Beach Access Rights
- Community Outreach and Education

Presentations may be PowerPoint or poster format. Abstracts (up to 500 words) are due by May 8, 2017. Submit abstracts via the online form at [www.asbpa.org](http://www.asbpa.org). Presenters are responsible for all of their expenses including travel, lodging, and registration fees. Notification of presentation status will occur by June 20, 2017. Additional information can be found at [www.asbpa.org](http://www.asbpa.org). ❖



Serving as conference co-chairs for the 2017 National Coastal Conference are (from left) Peter Seidle, Applied Technology & Management; Mike McGarry, Brevard County; and Ken Craig, Tayor Engineering.

## Headwaters to Ocean Conference abstracts due Feb. 24

The California Shore and Beach Preservation Association, ASBPA's California Chapter, along with UC Irvine's Water, Sustainability, and Oceans Initiatives, the Southern California Wetlands Recovery Project, and the Tijuana River National Estuarine Research Reserve constitute the organizing committee for the Headwaters to Ocean (H2O) conference May 23-24, at the Beckman Center, University of California, Irvine.

This conference seeks to promote integration across disciplines, sectors, organizations and institutions for common interests related to water, oceans, coastal environments, resilience, and terrestrial interfaces with marine systems. Conference participants will share results and implications of recently completed research, identify new challenges, and advance solutions-oriented thinking. The conference will highlight impactful projects and scholarship, and translate science for policy and action. In addition to providing opportunities to share best practices, H2O will host networking opportunities for a diverse cross-section of leaders and knowledge-brokers, including those from communities traditionally under-represented in these conversations.

The conference organizing committee is soliciting presentations on a wide spectrum of coastal and watershed issues, including but not limited to: coastal, estuarine, and wetland processes; climate change; sea level rise; invasive species; restoration, resilience, and community-centered planning and

design; beach nourishment; water quality; shore protection; and ecosystem and habitat preservation/management. We especially encourage presentations that promote integration across disciplines, sectors, organizations, and institutions.

### Presentation abstracts:

Please submit your presentation abstract and contact information via the link below by Friday, Feb. 24: <http://64.58.171.133:591/fmi/iwp/cgi?-db=H2O&-loadframes>

**Sessions:** If you are interested in organizing/forming a complete session on a specific topic, please indicate so on the abstract submittal page:

### Alternate formats:

The conference presentation format is typically 20-minute PowerPoint presentations, clustered into sessions by topic. However, we are amenable to alternate session and/

or presentation formats (e.g. panel discussion, video presentation). If you would like to prepare/organize an alternate session or presentation format, please indicate this on the abstract submittal page (link above).

**Posters:** Students (undergraduate, graduate, community college, etc.) interested in participating in a poster session should submit a poster title and contact information to Jessica Debats at [jdebats@uci.edu](mailto:jdebats@uci.edu).

**Sponsors:** The conference organizing committee is seeking sponsors to help underwrite facility and event costs, as well as support conference scholarships. If you are interested in being a conference sponsor or exhibitor, please let us know by clicking on the conference mailing list button below.

We look forward to your participation in the conference. ❖



## WWW.ASBPA.ORG

Check the website for all the latest on the upcoming Coastal Summit. It's not too late — the registration link and more is available on the Conferences page. We are looking forward to a great event!

In addition, nomination information for this year's Best Restored Beaches has been posted. Consider nominating your local community for this prestigious award.

Note that DVD and flash drives containing the entire *Shore & Beach* archive (through summer 2016) are now for sale. Ordering information can be found on the home page and via the Publications tab.

And if you are looking ahead, abstracts are being accepted for the 2017 National Coastal Conference until May 8. Start thinking about your presentation now!

As always, all the latest Beach News is linked to our home page, including updates on the election. Please follow us on Twitter and "like" us on Facebook to stay up to date with everything that is going on with ASBPA. — *Beth Sciaudone, Ph.D. ASBPA Webmaster* ❖

## Shop for Valentine's Day and help ASBPA at Amazon Smile

By KATE GOODERHAM,  
ASBPA Managing Director

**H**elp ASBPA and do your Valentine's Day shopping at no additional cost to you! ASBPA is now a part of Amazon Smile. When you shop at smile.amazon.com, you'll find the exact same low prices, vast selection and convenient shopping experience as Amazon.com, with the added bonus that Amazon will donate a portion of the purchase price to ASBPA. Below are some frequently asked questions to help you get started!

### How do I shop at AmazonSmile?

Simply go to <https://smile.amazon.com> from the web browser on your computer or mobile device. You may also want to add a bookmark to make it even easier to return and start your shopping at AmazonSmile.

### Which products on AmazonSmile are eligible for charitable donations?

Tens of millions of products on AmazonSmile are eligible for donations. You will see eligible products marked "Eligible for AmazonSmile donation" on their product detail pages. Recurring Subscribe-and-Save purchases and subscription renewals are not currently eligible.

### Can I use my existing Amazon.com account on AmazonSmile?

Yes, you use the same account on Amazon.com and AmazonSmile. Your shopping cart, Wish List, wedding or baby registry, and other account settings are also the same. You can use Amazon Prime.

### How do I select ASBPA to support when shopping on AmazonSmile?

On your first visit to AmazonSmile ([smile.amazon.com](https://smile.amazon.com)), you need to select ASBPA to receive donations from eligible purchases before you begin shopping. We will remember your selection, and then every eligible purchase you make at [smile.amazon.com](https://smile.amazon.com) will result in



a donation!

### How much of my purchase does Amazon donate?

The AmazonSmile Foundation will donate 0.5% of the purchase price from your eligible AmazonSmile purchases. The purchase price is the amount paid for the item minus any rebates and excluding shipping & handling, gift-wrapping fees, taxes, or service charges. ❖

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## Tsunamis

### Continued from page 7

CIRC. The results of this project were presented in October 2016 at the ASBPA National Coastal Conference. To keep my connection with the academic scientists, I served on the review panel of MIT Sea Grant in 2016, and this spring semester (2017) I am presenting a

short course on Ocean Numerical Models at the Brown University.

At the end, as a new member of ASBPA, I hope we can help each other to build resilience in coastal environment, by bringing together our knowledge and expertise and applying them to address coastal issues. ❖

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## Restored

### Continued from page 6

quality color photograph of restored beach with release (tourist development councils and local resorts are good sources for photos of this quality).

6. Project locator map.
7. Before and after restoration photographs.
8. A statement about why you consider this beach a best restored beach in the United States.

Winners will be notified in advance. ASBPA will prepare press releases to notify the media of the winners. Winners must agree to

provide press releases to their local media and arrange for a representative to be present at the 2018 ASBPA Summit in Washington, DC, to accept the award.

All materials submitted will become property of the American Shore and Beach Preservation Association and will not be returned. Upon written request, a nomination from 2016 that was not chosen can be carried over to 2017.

So send in your nominations. I love reading about your successes and how you made you beach the best beach in the United States. ❖

American Beach News Service

## Coastal resilience focus of technical journal

In the aftermath of Hurricanes Katrina and Sandy, attention has been focused on rebuilding resilient coastal systems to reduce damage from future disasters. “Resilience” has been defined in a variety of ways; in general, resilience is having the capacity to recover or bounce back from adversity and adapt to be prepared for the future.

Providing resilient solutions for coastal systems must address present and future challenges affecting the coastal zone. Aging infrastructure, expanding coastal populations, competing uses of natural and human infrastructure, heightened environmental concerns, limited fiscal resources and changing conditions are some of the interconnected and sometimes conflicting challenges facing coastal regions.

As of 2010, more than 50% of the U.S. population (or 164 million residents) lived within coastal watershed counties; an additional 180 million tourists visited coastal areas annually. As a result, significant economic damage and loss of life have occurred from natural disasters and storms in the past decade. Coastal resilience has emerged as one way to address the need to prepare for and adapt to future hazards.

With changes in the frequency and severity of extreme weather including rainfall, storms and long-term changes in lake or sea levels, planning for coastal community resilience can be challenging. The concept of resilience for coastal communities includes four distinct stages:

1) Being prepared,

- 2) Resisting and/or absorbing the impacts of disturbances,
- 3) Recovering, and
- 4) Adapting.

Planning for coastal resiliency encompasses typical and extreme storm events (single as well as multiple), as well as long-term changes in sea or water levels, human infrastructure and changing precipitation patterns, amongst other potential natural and human-related hazards. Resilience can be related to any aspect of the coastal zone, such as ecosystems; the natural or built capacity of a region to mitigate impacts of typical, extreme or long-term environmental processes; economics (e.g. commerce, tourism); community health, well-being and aesthetics; and other benefits of coastal regions.

Managing coastal systems to be resilient broadens the range of actions that a coastal community can utilize to reduce the likelihood for present and future damage. To prepare, communities can comprehensively evaluate the range of typical and extreme events, including unlikely combinations of events that may not have been experienced historically. Measures can be put into place to resist damage (e.g. efforts to reduce the rate of shore erosion) and/or absorb impacts (e.g. a

natural or created retaining basin to temporarily hold flood waters and reduce inundation).

Rapid recovery means ensuring there are multiple networks and redundancies so that loss of one evacuation route or protective structure does not significantly impact the system. Vulnerabilities and weak links in the system can be identified and somewhat mitigated by planning to rapidly recover (e.g. stockpiling sand at narrow junctions in a barrier island). Adaptation can be proactively addressed by providing community education, identifying evacuation routes and establishing early warning procedures; and planning for alternative measures and/or actions in advance of future change.

A just-published dedicated issue of *Shore and Beach* includes papers that summarize research and advancements in coastal resilience, including new planning tools and adaptation methods presently applied in coastal communities. *Shore & Beach* is a peer-reviewed technical journal of coastal management and science published quarterly by the American Shore & Beach Preservation Association since 1933.

Among the papers published in the issue:

- “A Tale of Three Storms: Morphological Response of Broadkill Beach, Delaware, Following Hurricane Sandy, Hurricane Joaquin and Winter Storm Jonas” by Dohner et al., detailed field observations of the effectiveness of beach nourishment as a coastal resiliency technique. The analysis of beach performance included habitat and ecological monitoring of marsh areas providing a systems approach to adaptation.

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### American Beach News Service

The articles were sent the second and fourth Tuesday of the month to more than 400 media outlets. We encourage members to utilize information in these communications with their clients, constituents and others. A full list of all the ABNS articles can be located at [http://www.asbpa.org/news/newsroom\\_beachnews.htm](http://www.asbpa.org/news/newsroom_beachnews.htm)

American Beach News Service

## Conference considers fed's future in coastal management

**W**hat is the future of federal coastal involvement and investment with a new administration taking the reins in Washington, DC? That's the focus of an upcoming conference focused on federal policy and regulation.

This Coastal Summit, entitled "A New Commitment to Our Coast," will be held in Washington Feb. 28-March 2, presented by the American Shore & Beach Preservation Association (ASBPA). The program will combine conference sessions with outreach visits to a variety of federal agencies, as well as opportunities for attendees to schedule meetings with their federal representatives during the early days of the new administration and Congress.

"At the heart of ASBPA's mission is the goal of protecting and improving the nation's coasts and shore ecosystems," said ASBPA President Tony Pratt. "So let's ask ourselves what would resonate in the new administration and how we can bring that/those issues to new government to make the convincing argument that an investment in the coast pays tremendous dividends in jobs, economic stimulus, reduction of costly storm damage response and recovery, and community protection — the issues ASBPA has been pushing for years."

The uncertainty – and opportunity – of a new administration is reflected in the conference

program, which includes sessions on:

- "Understanding the New Normal"
- "Rising Seas and Lowering Expectations — The lay of the land with DC Lobbyists"
- "Making Your Best Case for the Coast: Optimizing Hill and Advocacy Visit Time"
- "Stakeholders Perspective: Getting Sand on the Beach, Cheaply, Quickly and Regionally"
- "Collaborative Science: Creating a National Coastal Research Program"
- "Moving Backward – Planning for Retreat"

Keynote speakers include:

- Major General Donald Jackson, Deputy Commanding General for Civil and Emergency Operations, U.S. Army Corps of Engineers
- James Dalton, Director of Civil Works, U.S. Army Corps of Engineers
- Collin O'Mara, president and CEO, National Wildlife Federation
- Renee Orr, chief of the Of-

fice of Strategic Resources, Bureau of Ocean Energy Management

- Former U.S. Senator Mary Landrieu (D-LA)
- Norma Jean Mattei, president of the American Society of Civil Engineers

Small-group visits to the following federal agency offices are planned:

- U.S. Army Corps of Engineers
- Federal Emergency Management Agency
- U.S. Fish & Wildlife Service
- National Marine Fisheries Service
- Bureau of Ocean Energy Management

In addition, the conference will offer:

- A Capitol Hill briefing in conjunction with the Coastal States Organization
- A Capitol Hill Coastal Celebration Reception to honor coastal champions from throughout the federal government.
- A presentation spotlighting the 2016 Best Restored Beaches award winners: Babes Beach Galveston, TX; Rosewood Park, IL; Seabrook Island, SC; Topsail Beach, NC; and Redondo Beach, CA.

This marks the 17th year the Coastal Summit has been convened in Washington as a policy-focused conference attracting coastal professionals, officials, scientists and advocates. ❖



## Resilience

■ Continued from page 11

• “Advancing Coastal Systems Resilience Research: Improving Quantification Tools through Community Feedback” by Touzinsky et al. presented a comprehensive discussion of coastal resiliency and a framework for “... rapid assessment, and planning and operational studies” developed by a partnership with federal, academic and local entities.

• “A Coastal Resilience Case Study: The Little Creek/Pretty Lake Communities of Hampton Roads” by Considine et al., provided a case study of a coastal community preparing for climate change, under the Hampton Roads Intergovernmental Pilot Project. The collaboration improved networking and sharing information

to anticipate how the region could adapt to climate change.

• “A Tale of Two Surveys: What Coastal Communities Need to Meet the Challenges Posed by Climate Change” by Cunniff summarized surveys by the Environmental Defense Fund (EDF) conducted to capture the perceptions and priorities of coastal communities concerning the effects of climate change on local environmental priorities. Although the surveys were conducted in two different regions (Hampton Roads, VA, and in the northeastern U.S.) over a two-year period, results were similar and illustrated the difficulties coastal communities are having in communicating risks associated with climate change and in prioritizing mitigation measures. ❖

## Have you paid your 2017 ASBPA membership yet?

For our individual members, we send the first membership renewal invoice by email. If you didn't pay that invoice, you will have recently received a mailed invoice. Your membership was due Jan. 1, so we would be grateful if you would renew your membership by online, by mail or by fax as soon as possible. We need each of you! (if you are not going to renew, tell us that as well and we can avoid sending you any further invoices.) ❖

## CONFERENCES

■ **Feb. 8-10:** National Conference on Beach Preservation Technology. Details at [www.fsbpa.com](http://www.fsbpa.com).

■ **Feb. 28-March 2:** ASBPA Coastal Summit, Washington, DC. Registration at [www.asbpa.org](http://www.asbpa.org).

■ **May 23-24:** Headwaters to Ocean Conference, University of California, Irvine, Abstracts due on Feb. 24. Submit abstract at <http://64.58.171.133:591/fmi/iwp/cgi?-db=H2O&-loadframes>

■ **Sept. 27-29:** FSBPA Annual Conference, Westin Fort Lauderdale Beach Resort, Fort Lauderdale, FL. Details at [www.fsbpa.com](http://www.fsbpa.com).

■ **Oct. 24-27:** ASBPA National Coastal Conference, Fort Lauderdale-Broward County Convention Center. Details to come at [www.asbpa.org](http://www.asbpa.org). ❖

