iCAR

The Initiative on Coastal Adaptation and Resilience

FALL 2020 NEWSLETTER

Community Resilience Information Systems (CRIS) is now LIVE!

iCAR at USF partnered with the City of St. Petersburg to create a Community Resiliency Information System (CRIS) that is built to collect important information from citizens about the challenges you face related to natural disasters such as hurricanes, and other pressing issues. The website and survey are now live and you are encouraged to take the survey. The website link is below. You can also use the QR code above for easy access.

Completing the survey can help local and state emergency planners know how to target resources based on communities' needs so everyone can be better prepared and able to recover during extreme weather events. We would like to thank you for your time and effort on behalf of the City of St. Petersburg and the CRIS team.

http://cris-community-resiliency.org/

The iCAR research team, led by Dr. Barnali Dixon ,received an AT&T Climate Resiliency Community Challenge grant for the CRIS

project. You can read more about the grant here:

We are grateful to our partners at the City of St. Petersburg for their help on this project:

Amber Boulding, Manager, Office of Emergency Management, City of St. Petersburg

And of course, thank you to **AT&T and the Argonne National Lab.**

RECENT RESEARCH PUBLICATIONS

Results from ongoing iCAR research on climate resiliency can be found on our website. The following scholarly articles were published this year:

Dixon, Barnali, and Johns, Rebecca, 2019. **"Vision for a Holistic Smart City - HSC : Integrating Resiliency Framework via Crowdsourced Community Resiliency Information System (CRIS)*"** *ARIC'**19**, November 5–8, 2019, Chicago, IL, USA © 2019 Association for Computing Machinery. ACM ISBN 978-1-4503-6954-1/19/11
https://doi.org/10.1145/3356395.3365541

Johns, Rebecca, Dixon, Barnali and Pontes, Rachelle, *forthcoming*. **"Tale of Two Neighbourhoods: Biophysical and Socio-Economic Vulnerability to Climate Change in Pinellas County, Florida."** *Local Environment: the International Journal of Justice and Sustainability*.

Dixon, Barnali, Fernandez, Amada, and Johns, Rebecca , *forthcoming*. **"The Role of Crowdsourced Data, Participatory Decision-Making and Mapping in Resilience to Flooding."** *Applied Geography*

Please visit our website for more information about our research and publications.

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iCAR in the NEWS:

Our faculty and project are also covered on pages 6 and 7 of the USFSP Innovations magazine:

https://www.usfsp.edu/home/files/2020/01/file_56369569_innovations-Magazine-2020-web.pdf

UPCOMING CLIMATE SCIENCE 103 SPEAKERS AND DATES

The Climate Science 103: Community Climate Change Education series hosts speakers every first Tuesday of the month from October through May at the Boyd Hill Nature Preserve.

This series is sponsored by the Initiative on Coastal Adaptation and Resilience (iCAR) at USFSP and the City of St. Petersburg Parks and Recreation department.

We will host our third year of public events for the community on climate change, climate resiliency and implications for our area. **Due to COVID 19, sessions through January, 2021 will be hosted in a virtual platform.** Links to the sessions will be sent to you and posted on our website. The format for the rest of 2021 sessions will be determined later depending on the progression of the virus.

Topics:

October 6, 2020: Managing COVID 19 in Hurricane Season
Speaker: Amber Boulding, City of St. Petersburg

November 17, 2020: An Overview of Updated Climate Change Models: Demystifying Climate Science

Speaker: Maya Burke, Tampa Bay Estuary Program

January 19, 2021: Using Technology to Build Community Climate Resilience

Speaker: Dr. Barnali Dixon, USF

iCAR ANNUAL RESILIENCY WORKSHOP November 12, 2020

Tech Fix: How can technology help us investigate, communicate and solve climate problems and foster resilience?

Plans are ongoing for our annual workshop on building climate resiliency in our area. This year's workshop will be held in a virtual format and will focus on the role of technology in developing resiliency and will include updates from local neighborhoods in St. Petersburg.

Stay tuned!

WELCOME TO NEW BOARD MEMBERS AND STAFF

We are excited to welcome **Dr. Jamie Sommer**, Assistant Professor of Sociology, USF, and **Dr. LaSonya Moore**, Assistant Professor of Education, USF, as members of the iCAR Advisory Board.

In addition, we are excited to introduce new staff at the Geospatial Analytics Lab at USF, who support iCAR research and web development:

- *Michael Hancock*, the Lead Solutions Architect

- *Alec Colarusso*, CRIS Web Interface & App Development Lead

- *Katie Martin,* Mapping Analyst

- Caroline Sylvester, iCAR Program Assistant

For more about iCAR, visit us here:

[iCAR](#)

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Invitation to Make a Gift in Support

of iCAR:

We invite you to make a gift in support of iCAR. As you know, our research, coupled with community outreach efforts, helps to inform public policy solutions for coastal cities.

Be a part of the change we are seeking by supporting the Initiative on Coastal Adaptation & Resilience. Make a gift today!

Please use this link to give to the USF Foundation iCAR Support Fund.

https://giving.usf.edu/online/gift/f/PA0053/