Registration 8:45 - 9:00 am

9:00 - 10:00 am Peri-urban Landscape Resiliency

Welcome

10:00 - 11:00 am **Envisioning Community Resilience** Andy Fox, FASLA, PLA Professor

Bryan Quinn, Principal One Nature

University Faculty Scholar & Community Engaged Faculty Fellow

NC State University Department of Landscape Architecture and Environmental Planning 11:00 - 11:15 am

Jules Bruck and CRDS interns

Reception with Student Posters

Peri-urban Landscape Resiliency

more hospitable for its residents.

with Bryan Quinn

documentation.

with Ben Muldrow

Example work from Charette sessions

Collaborative Suburban Resilience Planning

3:45 - 5:00 pm

5:00 - 6:00 pm

Report back

Andy Fox

Break

11:15 - 12:00 pm First Charrette session

GARDENS 12:00 - 12:45 pm Lunch **Longwood Gardens** 12:45 - 3:15 pm

LONGWOOD Charrettes Delaware Nursery & Landscape 3:15 - 3:45 pm

Association Coastal Resilience Design Studio **Delaware Nursery & Landscape Association** ASLA PENNSYLVANIA DELAWARE

DE/PA American Society of Landscape Architects keynote speakers **Envisioning Community Resilience**

Andy Fox, FASLA, PLA is a Professor, University Faculty Scholar and Community Engaged Faculty

AGRICULTURE & NATURAL RESOURCES **Plant & Soil Sciences Department Davey Tree**

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Andy Fox

NC State

Presentation PDF

Bryan Quinn One Nature

Presentation PD

Geoff Anderson

RAS Inc

Brvan Quinn

One Nature

Ben Muldrow

Arnett Muldrow

CRDS

Interns

Fellow in the NC State University Department of Landscape Architecture and Environmental Planning. He is also a founding co-director of the Coastal Dynamics Design Lab, an interdisciplinary research and design initiative within the NC State College of Design that addresses environmental and community development challenges in coastal regions. In his lecture he presented research that integrated elements of geospatial analysis, landscape planning, community development and heritage conservation, to assess, confront and communicate opportunities and challenges to communities recovering from floods. Fox's presentation featured numerous thought-provoking graphics of which some demonstrated how his research actively built community resilience through strategic landscape practices. The goal of his work is actionable change in the context of the public realm. Bryan Quinn

native plant species into homeowner gardens in the town of Beacon. One Nature is committed to helping peri-urban communities benefit local ecosystems. When homeowners use a percentage of their landscape to plant native plants, they increase the area that benefits birds, insects, and other animals to form a healthy ecosystem. Change is happening in Beacon, New York with many individual projects. One Nature has transformed typical residential landscapes dominated by mowed lawn to resilient landscapes with meadows, ponds, wetlands, natural play areas, mountainsides, pollinator gardens and more. Lots of examples inspired the audience to create similar landscapes and healthy ecosystems in towns across the country. As natural ecosystems become more vulnerable it is important to address this issue one small landscape at a time. Bryan Quinn and his firm, One Nature, use drawings, models and implemented designs to inspire us all to design, create and build landscapes to sustain our future.

Bryan Quinn, principal of One Nature offered an inspirational talk about strategies to incorporate

charrette sessions Urban Gateway Resilience Planning for a City Residential Block with Geoff Anderson The 800 block of West 9th Street serves as one of the main "downtown" entrances into the City of Wilmington. The block connects West Center City for all traveling from the west side of Wilmington and the northbound exit off I-95. This one-way vehicular street is lined with houses with on-street parking, overgrown street trees, and sidewalks in disrepair.

In this workshop, facilitated by landscape architect Geoff Anderson, participants envisioned what an

urban block can be in the 21st century. Using Complete Street guidelines, the charrette participants had the opportunity to re-design the urban block's aesthetic while incorporating resiliency standards to improve the overall streetscape appearance. The charrette solutions explored creative storm water collection methods, traffic calming measures, healthy planting zones, and ways to make this block

The suburbia of Boswash (the massive urban corridor between Boston and Washington DC), as it was developed in the past century, was not designed to meet the challenges of today and now faces immense challenges to meet the needs of our society, such as social justice, the environmental crisis, and public health. In this workshop, facilitated by environmental artist Bryan Quinn, participants worked in pairs to collaboratively re-design a series of abutting suburban lots within a single block. Many teams coordinated their designs with each other, and at the end of the flash design

session teams pinned up their plans on a scaled aerial photograph to facilitate a discussion and

Small Town Main Street Resilience Design

Example work from Charette sessions

Coastal Resilience Design Studio Dr. Jules Bruck and CRDS Interns

Example work from Charette sessions

Milford, Delaware is a quaint river town that saddles the Kent and Sussex County lines, right along the Delaware Bayshore Byway. Milford serves as a gateway community for beachgoers on both Hwy 1 to Lewes, Rehoboth, and Dewey beaches and Hwy 113 to Bethany and further on to Ocean City. This historic community has a quaint downtown with mom & pop shops, local restaurants, and over a mile of Riverwalk along the Mispillion River featuring a natural downtown island and bike racks and boat launches scattered throughout downtown. In this workshop, lead by Ben Muldrow, partner at Greenville, SC based Urban Planning firm Arnett Muldrow, participants identified logical locations for economic investment, sketched thoughtful placemaking treatments, and used design to help create a stronger connection between the people of Milford and their water. This workshop was aimed at participants who are interested in community branding, tactical urbanism, resilient placemaking, and sustainable design.

project presented was the Riverfront Park Conceptual Plan, a plan to make use of an old steel mill site to bring a large-scale public park to Claymont, DE. The plan has gone on to be seen by local and state officials in hopes of approval as surrounding infrastructure begins development on site. RESILIENT MICRORETAIL

carbon credits to fund the rebuild of the coastal community in a way that captured carbon, cleaned

surrounding waters, and provided coastal protection from storm surge. Carbon in the Tidewater went on to win the 2021 Coastal & Estuarine Research Federation national design competition. The second

The Coastal Resilience Design Studio kicked off their presentation with an introduction of the studio and its values, process, and purpose. Director Dr. Jules Bruck displayed past projects of the studios and their impacts on the coastal communities in which they reside. Two current projects were explained in more detail by two of the current Landscape Architecture Design Interns, Leigh Muldrow and Delaney Pilotte. The first project, Carbon in the Tidewater, took an innovative approach on redesigning the coastal systems in and around Hampton, VA. This project focused on selling

Grandview **Barrier Island**

Buckroe **Breakwater**

Typical Landscape

0.04 tonnes C

Ft. Monroe Wetland Restoration

Chesapeake Carbon 🦰

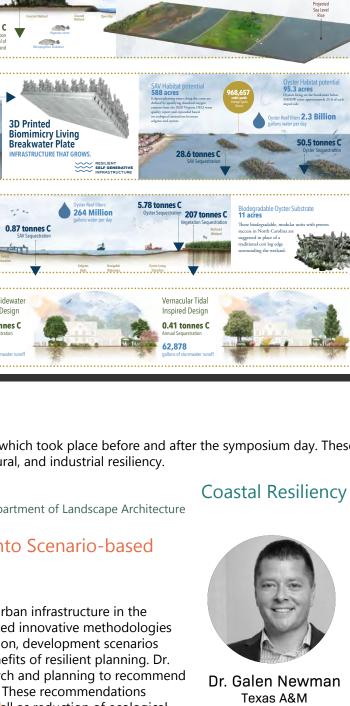
Dr. Galen Newman

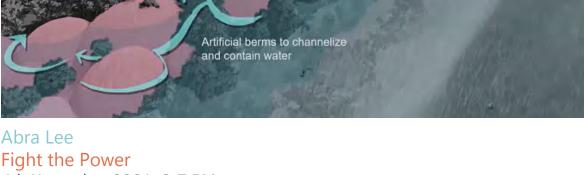
Resilient Community Design 7th October 2021 6-7 PM

DESIGN IMPACT

Gardens



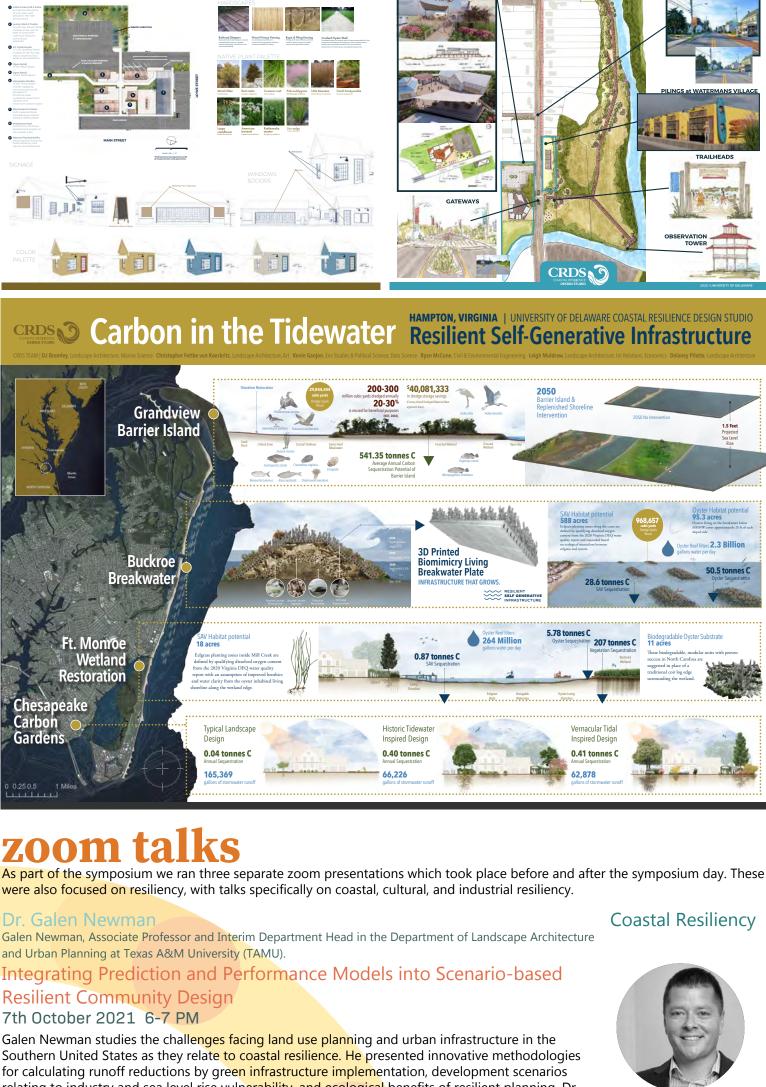


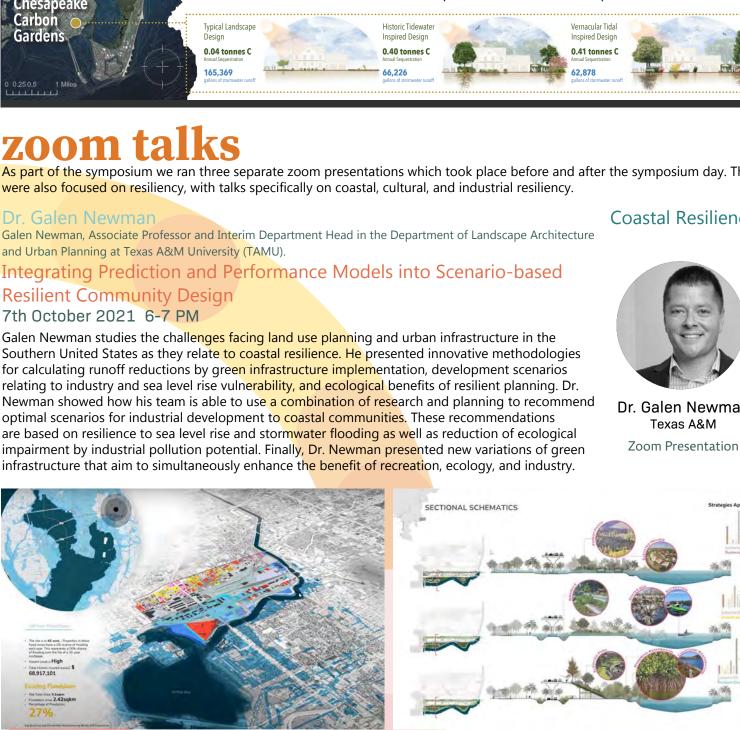


student posters

The Mill Race

DJ Bromley and Leigh Muldrow Joint 1st Place Prize yorklyn





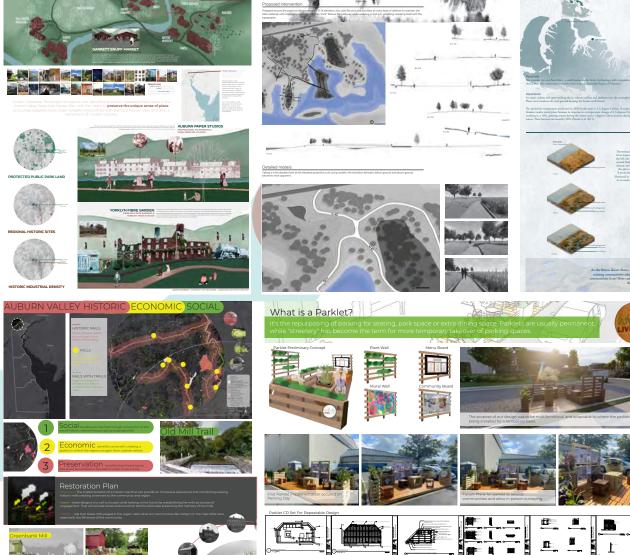
High Extreme





On the day of the symposium we ran a poster competetion which saw multiple students curating class projects or

internship work into a poster. These were then judged and prizes were awarded for 1st, 2nd, and 3rd place.





RESILIENC

ECOLOGICAL CURIOSITY EXPLORATION EPIPHYTE COMMUNITIES BIOMIMICRY INSTITUTE ARTICLES Canopies Enhance Plant Biodiversity Within a forest canopy, light, temperature, humid Nick Bruce Honorable Mention OMMON HOST PLANTS Vine maple (Acer circinatum) Red alder (Alnus rubra)