



TORCH XIII Annual Meeting Program, 10 August 2022

Host: Fort Worth Botanic Garden and Botanical Research Institute of Texas

(version: 8/9/2022 7:47pm; edits tracked at end of document)

Sessions will be held in the BRIT Building, scroll down for map and building accessibility document link.

Schedule:

Time	Content	Location &/or Authorship
Morning Session		
8:00 - 9:00	Registration (also poster set-up and presentation file submission)	BRIT Building, Atrium I 1700 University Dr., Fort Worth, Texas 76107-3400 (see map below)
9:00 - 9:30	Welcoming Remarks	
9:30 - 10:30	Submitted Paper Session I: TORCH	BRIT Building, Commons
9:30 - 9:45	TORCH TCN Digitization Project: Where we are, and where we're going (with Intro to Symbiota Support Hub)	Barroso, Diego ¹ ; Walker, Lindsay ² ; Pearson, Katie ² ; Yost, Jenn ³ (1) Fort Worth Botanic Garden & Botanical Research Institute of Texas; (2) Arizona State University; (3) CalPoly
9:45 - 10:00	TORCH Digitization Hub: Streamlining digitization workflows for natural history collections	Best, Jason ; Barroso, Diego Fort Worth Botanic Garden & Botanical Research Institute of Texas
10:00 - 10:15	Analyzing spatial bias in herbarium data in Oklahoma and Texas	Hubbard, Sierra ; Fishbein, Mark Oklahoma State University
10:15 - 10:30	Accuracy assessment of geo-referenced specimens in the TORCH database	Williams, Justin ; Frakey, Jesse Sam Houston State University
10:30 - 10:45	Coffee Break (15 mins)	BRIT Building, Atrium I
10:45 - 11:45	Submitted Paper Session II: Botany	BRIT Building, Commons
10:45 - 11:00	Monitoring three <i>Penstemons</i> in North Central Texas	Nelson, Allan ¹ ; Freiheit, Bill ² (1) Tarleton State University; (2) Native Plant Nursery and Restoration Consultant
11:00 - 11:15	What is the Longleaf Milkweed of East Texas?	Fishbein, Mark ¹ ; Wagner, Carl ² ; Andreev, Victor ¹ ; Straub, Shannon C. K. ² (1) Oklahoma State University; (2) Hobart and William Smith Colleges
11:15 - 11:30	Niche differentiation within the "Asperula" clade of <i>Asclepias</i> (Apocynaceae)	Kunkel, David ; Fishbein, Mark Department of Plant Biology, Ecology, and Evolution, Oklahoma State University
11:30 - 11:45	Microbiome comparison of native and invasive grasses of Texas to develop a remediation strategy to restore native prairie ecosystems	Carroll, Kelly ^{1,2} ; Brady, Jeff ¹ ; Speshock, Janice ² (1) Texas A&M AgriLife Research; (2) Tarleton State University
11:45 - 1:00	Lunch (on your own)	BRIT Building, Commons, Atrium I, back prairie

Time	Content	Location &/or Authorship
Afternoon Session		
1:00 - 2:15	Submitted Paper Session III: Herbaria	BRIT Building, Commons
1:00 - 1:15	Louisiana herbaria: Updates from a neighboring state	Kluse, Jennifer Louisiana State University
1:15 - 1:30	Expanding access to course based undergraduate research with digital natural history collections	Johnson, Matthew ¹ ; Bronson, Cecily ² ; Krumm, Janice ³ ; Jordan, Carly ⁴ (1) Texas Tech University; (2) Portland State University; (3) Widener University; (4) The George Washington University
1:30 - 1:45	Native pollinator gardens as sources for herbarium collections	Rumpa, Mafia Mahabub ; Zidermanis, Adina; Ifagbayadeniran, Anjola; Maier, Camelia Texas Woman's University, School of the Sciences, Division of Biology
1:45 - 2:00	Fungal research at the S. M. Tracy Herbarium	Lewis, David Texas A & M University
2:00 - 2:15	Herbaria uses in ecosystem health assessments: Impacts of land use and climate change on flora in the Guadalupe Mountains over 50 years	Bullock, Madison ; Price, Sherese; Johnson, Matt Texas Tech University
2:15 - 2:30	Coffee Break (15 mins)	BRIT Building, Atrium I
2:30 - 3:30	Business Meeting	BRIT Building, Commons
3:30 - 4:45	Poster Session (see below)	BRIT Building, Madeleine R. Samples Exhibit Hall
4:45 - 5:00	Closing Remarks	BRIT Building, Commons

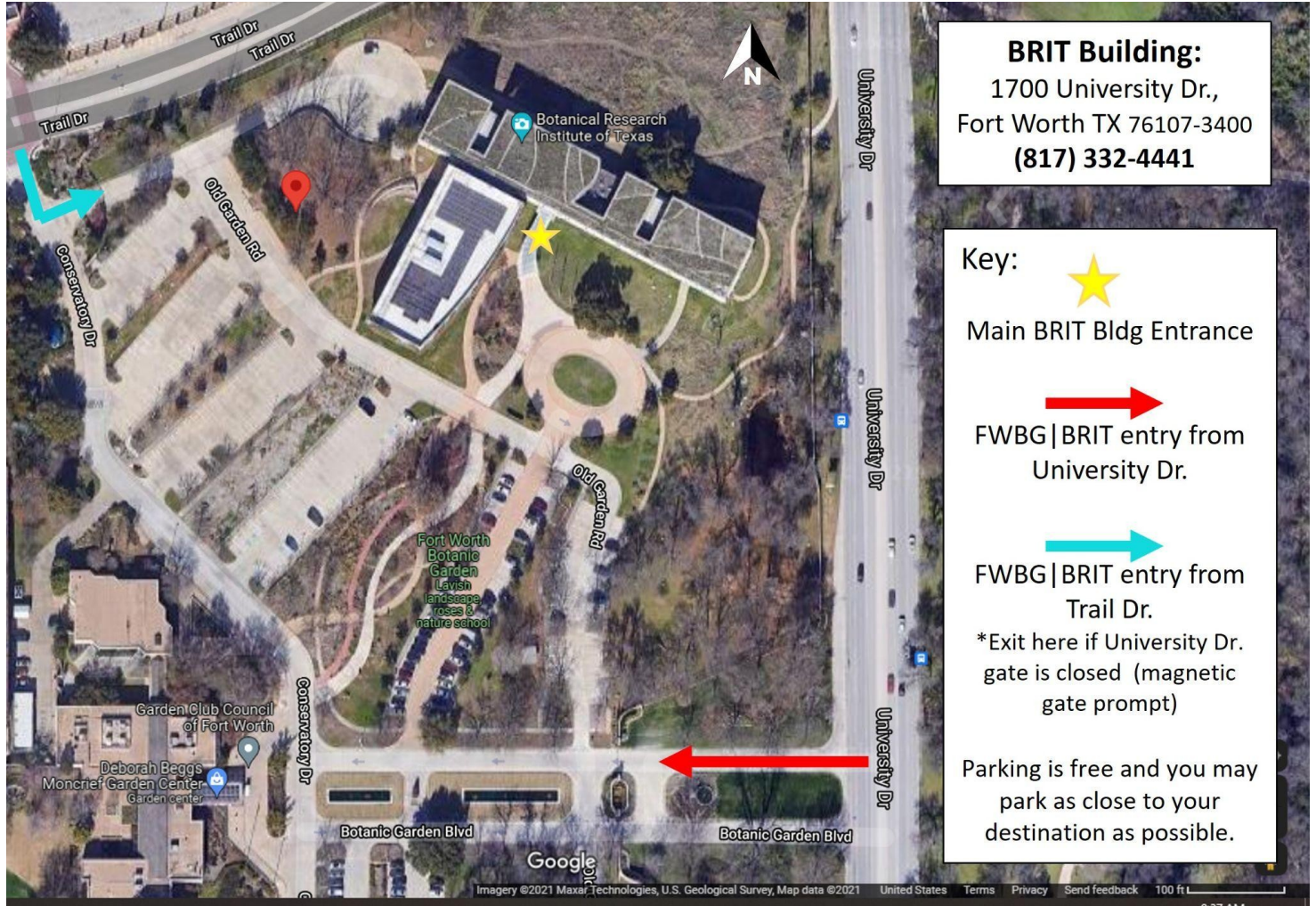
Poster session 3:30 - 4:45 pm, Madeleine R. Samples Exhibit Hall

Posters listed alphabetically by first author (23 submissions):

Poster No.	Poster Title	Author(s)
1	Beta-diversity on Texas driven by climate: Implications in a changing world	Barrientos, Juan; Spalink, Daniel S.M. Tracy Herbarium, Texas A&M University
2	TORCH Light Box: An open source light box design for herbarium specimen imaging	Best, Jason Fort Worth Botanic Garden & Botanical Research Institute of Texas
3	Curator: Bioinformatic tools for updating specimen databases	Bradley, Matthew ¹ ; Spalink, Daniel ² S.M. Tracy Herbarium, Texas A&M University
4	Among the living and the dead: Analysis of Trans-Pecos Texas <i>Quercus</i> specimens to inform collections development	Butler, Sarah; Hamby, Seth Fort Worth Botanic Garden & Botanical Research Institute of Texas
5	Preliminary survey: Drift seeds of Mustang Island	Clark, Elizabeth The University of Texas at Austin
6	Warmer temperatures relate to earlier flowering in giant ragweed (<i>Ambrosia trifida</i>)	Dominguez, Lezlie; Rehman, Tiana F.; Best, Brooke Byerley Fort Worth Botanic Garden & Botanical Research Institute of Texas

Poster No.	Poster Title	Author(s)
7	Exploration of Texas <i>Streptanthus</i> phenology using herbarium specimens	Gaffney, Basil; Rehman, Tiana F.; Best, Brooke Byerley Fort Worth Botanic Garden & Botanical Research Institute of Texas
8	Invasive aquatics and where to find them	Korn, Ethan University of Oklahoma
9	The botanical career of Dora Sylvester and her Texas collection: A preliminary analysis	Li, Adrienne (presented by Yatskievych, George) University of Texas at Austin
10	A comparison of native and invasive <i>Lonicera</i> species distributions across Texas	Marzullo, Madison; Spalink, Daniel S.M. Tracy Herbarium, Texas A&M University
11	Reproductive phenology of deciduous trees: Do increasing temperatures cause early fruit and flowering?	McElroy, Mason Karik Oklahoma State University
12	Examining gaps in common methods of recording occurrence data with <i>Arundo donax</i>	Oles, Ulysses; Rehman, Tiana F.; Best, Brooke Byerley Fort Worth Botanic Garden & Botanical Research Institute of Texas
13	Macrofungi digitization at the University of Central Oklahoma	Ovrebo, Clark; Loucks, Lynda Department of Biology, University of Central Oklahoma
14	Using herbarium specimens to establish a five-stage phenological classification scheme for <i>Cercis canadensis</i>	Payne, Grace ¹ ; Szubryt, Marisa B. ² ; Moore, Abigail ² (1) University of Central Oklahoma; (2) University of Oklahoma
15	The influence of ecoregion on the diversity and co-occurrence of purple- and white-flowered prairie clovers (<i>Dalea</i> subg. <i>Kunistera</i>) in Texas and Oklahoma	Risano, Anastasia Oklahoma State University
16	Analysis of Williamson County herbarium specimens	Rodriguez-Vasquez, Desiree Billie L. Turner Plant Resources Center, University of Texas at Austin
17	A Texas-sized conundrum: Morphometric analysis of <i>Lupinus subcarnosus</i> Hook. and <i>Lupinus texensis</i> Hook.	Semmling, Bonnie; Hunter, Sarah; Tressel, Lydia Billie L. Turner Plant Resources Center, University of Texas at Austin
18	Distribution and collection trends in the native orchids of Oklahoma	Short, Sarah Oklahoma State University
19	A century of phenological data reveals earlier flowering times in Texas forbs	Snead, Breonna; Spalink, Daniel S.M. Tracy Herbarium, Texas A&M University
20	The influence of geology, elevation, and precipitation on the diversity of Asteraceae in Brewster Co., Texas	Sutton, Autumn Oklahoma State University
21	Distribution of <i>Oenothera</i> species across Ecoregion 27	Thomas, Anna University of Oklahoma
22	Has the invasion of Old World Bluestems, <i>Bothriochloa ischaemum</i> , decreased vascular plant biodiversity in Oklahoma and Texas?	Wood, Cameron Oklahoma State University
23	The biogeography of ploidy & reproductive mode in the xeric-adapted fern <i>Myriopteris alabamensis</i> (Buckley) Grusz & Windham	Young, Blair; Yatskievych, George Billie L. Turner Plant Resources Center, University of Texas at Austin

Meeting Location Map (BRIT Bldg):



Versions/Edit Tracking:

Version: 8/5/2022 7:30am

Version: 8/9/2022 7:47pm (general typographic corrections and format standardization; poster numbering)

Version: 8/9/2022 12:28pm (fixed pagination in PDF)