



**Name:** Ashleigh Francis

**Affiliation:** Commonwealth Fusion Systems

**Position:** HTS R&D Lead

**Previous Positions:** Magnet Engineer, Commonwealth Fusion Systems  
Graduate Research Assistant, Applied Superconductivity Center-NHMFL  
Research Engineer, Applied Superconductivity Center, NHMFL

**Education:** Ph.D. Florida State University, NHFML 2022

**Research Interests/Areas of Expertise:** Characterization of superconducting and material properties, in-field transport measurements, focus on high temperature superconductors, flux pinning defects and their relation to the  $I_c$  dependence, high field magnet applications for large scale, and fusion magnets

**Publications:** 14 scientific papers

**Approximate Number of Years in Applied Superconductivity:** 13

**Membership in Professional Societies:** IEEE CSC

**Previous ASC Service:** ASEF board member (appointed), ASC 2022, 2024  
Materials Program Committee, ASC 2022, 2024  
ELEVATE Committee, ASC 2024  
ELEVATE DEI Committee Chair, ASC 2022  
Public outreach, ASC 2022, 2024  
DEI committee member and panelist, ASC 2020  
Zoom host volunteer, ASC 2020

**Service to Related Conferences:** Manuscript Reviewer, IEEE TAS, EUCAS 2023

**Honors and Awards:**  
2022 IEEE CSC Graduate Study Fellow