The Robotics Education and Competition Foundation (RECF), Aerial Drone Competition (ADC), is a new and upcoming middle and high school program which includes both a piloted competition as well as autonomous programming challenge. This RECF grant opportunity is open to organizations including NASA Space Grant Consortia, and will fund ten new event partners (EP) and six schools/organizations at or near each new EP. Each school will receive the resources to start four teams, leading to a total of 24 new teams per region. We will share information about this program, how to apply for the grant, and the support to run an ADC tournament.

Dr. Ensign has over 20 years in professional development serving K-16 educators and is driven by a passion to provide STEM opportunities to historically underrepresented populations across Appalachia. Currently, he manages a team of NASA educational specialists, AmeriCorps volunteers, and college interns out of the NASA Independent Verification and Validation Facility through a grant administered by Fairmont State University; both organizations are members of the WV Space Grant Consortium. Annually, the ERC team trains up to 1,000 educators, who leverage 60 Loan and Learn classroom kits to engage up to 15,000 K-12 students. He also manages the WV Robotics Alliance that coordinates local, state, regional and international tournaments and championships which serve up to 5,000 students across ten unique robotics programs per year.