



FAMU-FSU  
College of Engineering

## WORKSHOP OVERVIEW

### AAMT Vision

AM (Additive Manufacturing) Forward Florida will address debilitating bottlenecks afflicting key space, aviation, and energy generator industries, rapidly injecting new technology into key metal fabrication supply chains. We will achieve this goal by supplementing these industry-clusters with a pipeline of new large-scale 3D printing technology– including directed energy deposition (DED), wire arc, and friction stir welding – inserted into a wide swath of small-business suppliers across Florida.

Such an effort requires an environment for small manufacturing innovators to thrive: (1) readily gaining access to credit for procuring novel capital equipment, (2) partnering with lead system integrators (end-use customers) to hone the qualification science validating repeatable manufacturing, with properties equivalent to or better than casting/forging, and (3) enabling a productive high-tech workforce reflective of our diverse society.

With input from stakeholders across the state, gathered through a series of workshops, our project will set a foundation for advancing each of these objectives.

### Objectives

The goal of this workshop is to create connections and develop a team of industry, academic, and local government partners that will help prepare a winning proposal to the National Science Foundation(NSF)for a \$160 million Regional Innovation Engine grant.

We will discuss challenges and opportunities in the state’s AM supplier-base as well as opportunities for “use-inspired research,” “translation-to-practice,” entrepreneurship, and workforce development to nurture and accelerate regional industries. Input will be critical in ensuring successful adoption and effective deployment of AM technology.

### Framework

The workshop will facilitate high-level discussions on interconnected topics including **Use Inspired Research and Translation of Innovation to Production, Market & Supply Chain Requirements, Workforce Needs, Regional Ecosystem: Resources and Focus,** and **Opportunity for All**. Also, two keynotes and plenary sessions focused on **Significant Regional Initiatives** and **Relevant State Legislative and Economic Initiatives**.

### Workshop Partners

To support the Florida pilot program, ASTRO America is partnering with some of the state’s leading public universities, including the Florida State University and the FAMU-FSU College of Engineering, as well as leading small manufacturers in the AM sector, such as Sintavia, ACMT, and Maritech Machine.