



Adele Ratcliff

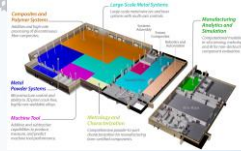
Department of Defense
Director, Manufacturing
Resiliency & Assurance
and Industrial Base
Analysis & Sustainment

Domestic Manufacturing as a Matter of National Security

Revitalizing American Manufacturing



- In 2020, DoD established a **national testbed for ACE** for research, technology advancement, training and workforce development
- Combines scientific expertise of **Oak Ridge National Laboratory**, the research and teaching expertise of **The University of Tennessee**, Knoxville, and the workforce development leadership of **IACMI**



Machine Tool Research Center and Fibers and Composites Manufacturing Facility



Conducts research to:

- **Increase efficiency** of existing machine tools
- **Develop skills & training** for next generation machine tools for composites and metals
- **Establish tools to rapidly train** the next generation of machine tool designers and operators

Revitalizing U.S. Manufacturing

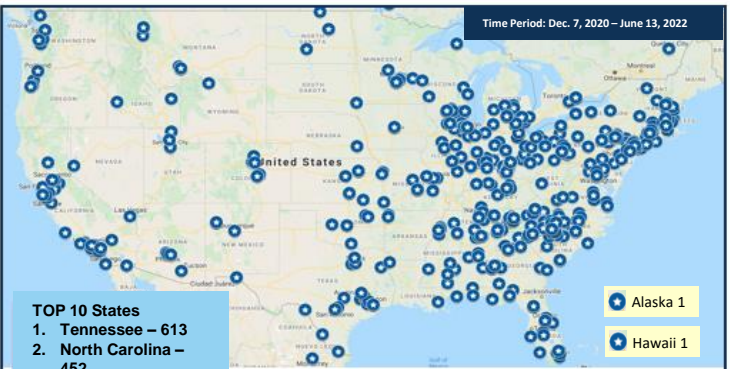
- IACMI-managed ACE training addressing critical workforce skills gap



Reestablishing U.S. leadership in machine tool industry



ACE CNC Machining Training – Online Registration



- TOP 10 States**
- Tennessee – 613
 - North Carolina – 452
 - Ohio - 87
 - Florida – 69
 - Alabama – 63
 - Texas – 57
 - Illinois – 55
 - California – 52
 - Pennsylvania – 52
 - Michigan – 41

Since December 2020:
2471 ONLINE PARTICIPANTS



Launched 12/7/2020

IN **50** STATES

Emerging National Network of ACE Training Centers

DoD Scaling Up Regional Machine Tools Innovation and Workforce Development Hubs

