White Paper Webinar Series

Strengthening the Pipeline from Service to STEM
A series focusing on the future of Women Veterans in STEM

- Women Veterans: Oct 13
- Transition Services: Oct 20
- STEM Workforce: Oct 27
- STEM Education: Nov 10
- Health & Well-being: Nov 17

3:30 - 4:30pm Eastern
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Welcome!

White Paper Webinar Series

Transition Services
STEM Education
Women Veterans
STEM Workforce
Health & Well-being
Veterans Day and STEM Week
Our goal is to increase the number of women veterans entering STEM careers
The EDC Team

Rebecca Lewis  
*PI*

Sarita Pillai  
*Co-PI*

Ben Spooner  

Brianna Roche  

Amy Uluyurt
Convening Chairs

Tony Dean
Old Dominion University

Tomika Greer
University of Houston

Rosalinda Vasquez
Maury
Syracuse University

Micah Taylor
Hire Heroes USA & Idaho Air National Guard

STEM Education
Transition Services
STEM Workforce
Health & Well-being
Advisory Committee
Convening Timeline

- **Fall 2019**: Planning begins with steering and advisory committees.
- **Winter 2020**: Advisory committee expands to include additional stakeholders.
- **Spring/Summer 2020**: Sub-committees develop "state of the state" synthesis reports.
- **Fall 2020**: Sub-committees present "state of the state" reports in multi-part webinar series.
- **Spring 2021**: Working groups develop observations and recommendations.
- **Summer 2021**: Advisory committee synthesizes work completed at convening.
- **Fall 2021**: Advisory committee releases final recommendations and disseminates via webinar series.
White Paper Series

Women Veterans  
Oct 13

Transition Services  
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Health & Well-being  
Nov 17

3:30 - 4:30pm Eastern
STEM Education Pathways for Women Veterans
Advisory Committee
STEM Education

Anthony Dean, Old Dominion University
Kim Bullington, Old Dominion University
Vince Bowen, Idaho State University
Travis York, The Assoc. of Public and Land-Grant Universities
Amy Cole, The Assoc. of Public and Land-Grant Universities
Cody Nicholls, University of Arizona
Advisory Committee
STEM Education cont’d

Julie Shank, George Mason University
Rachel Bower, University of Wisconsin-Madison,
Ashley Judah, National Women’s Business Council
Nina Roque, National Women’s Business Council
Connie Coleman-Lacadie, Federally Employed Women
Eddie Gonzalez, Society of American Military Engineers
Committee Presenters

STEM Education

Julie Shank
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Old Dominion University

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Word Cloud Activity

What words do you associate with women, veterans, and STEM identity?

pollev.com/julieshank565
What are the education pathways into STEM for women veterans?
Educational Pathways to STEM Careers

- Military Service
- Trade, Apprentice, Vocational School, or Certificate Training Program in STEM disciplines
- Community College STEM Programs
- University STEM Programs
- STEM Technicians
- STEM Degree Professionals
Veterans and STEM Education

- **Prior learning and training:** military training; prior learning assessment
- **Credentialing/Certification:** “the process by which a non-governmental agency or association grants recognition of competence to an individual who has met predetermined qualifications specified by that agency or association” (National Organization for Competency Assurance, 2020).
- **Internships:** Naval Research Enterprise Internship Program (NREIP); Science, Mathematics & Research for Transformation (SMART)
What words do you associate with women, veterans, and STEM identity?
How and when do women veterans develop a STEM identity?
STEM Interest and Identity Development

(Lent et al., 1994)
Figure 1. Framework for students’ identification with physics.

(Hazari et al., 2010)
What ongoing support is required to retain women veterans pursuing STEM degrees?
Veterans and STEM Education

- **Who are your women veterans?**
- **Women veteran population:**
  - 17.5% of military (Military One Source, 2017)
  - 10.5% of veterans in 2020, expected to grow to 16% by 2040 (Department of Veterans Affairs, 2017)
  - 20% of student veterans (Cate et al., 2017)
- **Peer activities:** Women veterans often don’t participate
What services are available to aid women veterans moving from STEM education into the STEM workforce?
Hot off the Press!

bit.ly/STEMeducationWP
Opening up a dialogue
Q & A
Keep in touch!

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