American Solar Energy Society

Women in Solar Energy (WISE) Forum

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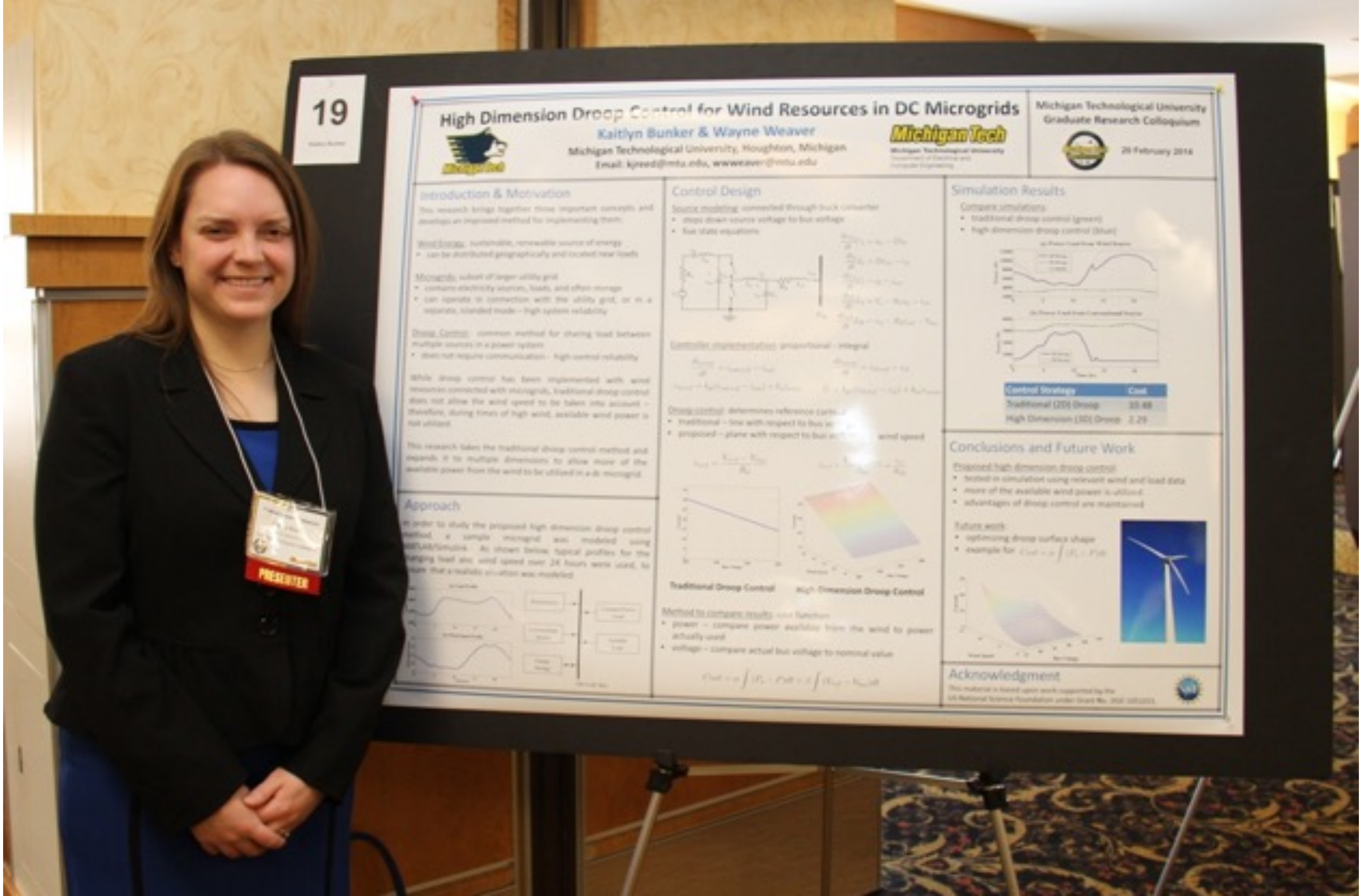
Kaitlyn Bunker, Ph.D., P.E.


DOUGLASS
HOUGHTON
HALL
MICHIGAN
TECH


SOCIETY OF WOMEN ENGINEERS
MichiganTech
SWE



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High Dimension Droop
for Wind Resources in DC Microgrids
Kaitlyn Bunker & Wayne Weaver
Michigan Technological University, Houghton, Michigan
Michigan Tech
Michigan Technological University
Graduate Research Colloquium
Introduction & Motivation
Control Design
Simulation Results
Control Strategy Cost
Traditional (2D) Droop 10.48
High Dimension (3D) Droop 2.29
Conclusions and Future Work
Approach
Traditional Droop Control
Acknowledgment
PRESENTER


ROZSA
CENTER
POWER RANGERS


ENGINEERS AT WORK

swe

Society of Women Engineers

Rocky Mountain

WRISE

Women of Renewable Industries and Sustainable Energy