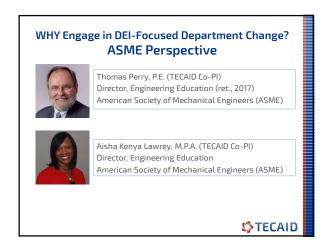
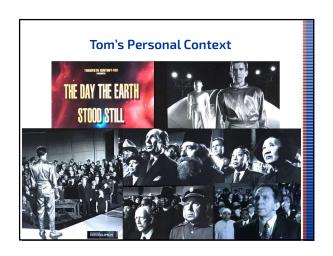


Webinar Overview

- **Why** engage in DEI-focused engineering department culture change?
- **How** does one go about DEI-focused engineering department culture change?
- Who has engaged in this change process?
- What are resources useful for the department culture change process?

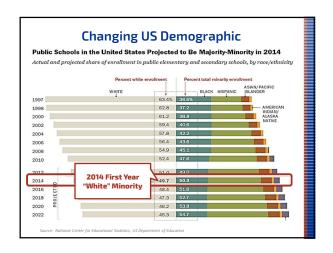






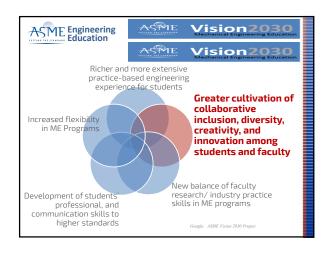




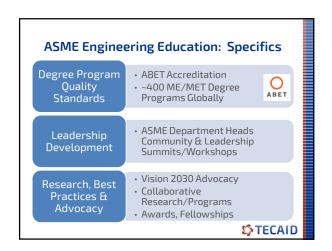










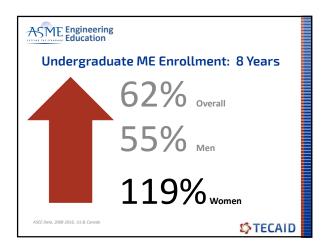


Principles: Diversity & Inclusion

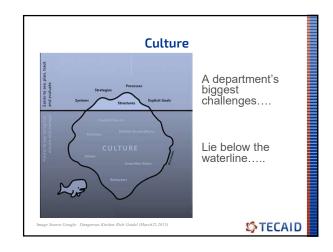
ABET

Approved by Board of Directors (June 12, 2017):

- 1) Our global professions require creativity and innovation, which are **best achieved** when persons with varied perspectives, experiences, and talents work toward a common goal.
- 2) Understanding and experiencing diversity and inclusion in higher education are critical to competitiveness, innovation, and our social and economic futures.
- 3) Further, we \underline{expect} our accredited programs to support this vision. **STECAID**







Culture is Paramount



"Culture Eats Strategy for Breakfast."

Peter F. Drucker Clarke Professor of Social Science & Management, Claremont Graduate University, 1971-2005



ASME Engineering Education Key "Take-Away(s)"

- Diverse perspectives are critical for addressing the multidisciplinary, global problems that we face.
- ME is the largest U/G engineering discipline
- Women's enrollment is growing at a faster rate then men's (although women are still only 13% undergrads)
- · Capitalize on women's enrollment growth
- Focus on culture change strategies to recruit and retain women and role model faculty
- Strive for the 30% "tipping point"
- Culture change strategies used to support women's engagement will be beneficial to all URMs.







Amy Freeman, Ph.D. (TECAID Co-PI)
President, Women In Engineering ProActive Network
(WEPAN)

Chief Diversity Officer and Associate Provost, Tufts University

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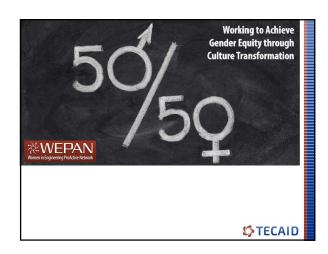




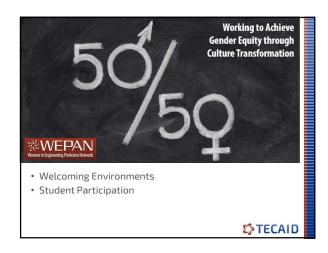
Why the TECAID Model?

It is possible to raise consciousness, and change behaviors in a way that will encourage the growth of a diverse and inclusive scholarly community.

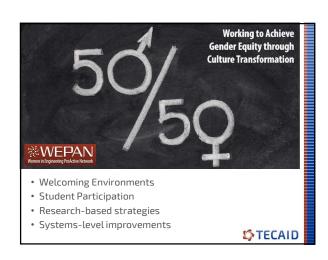
STECAID

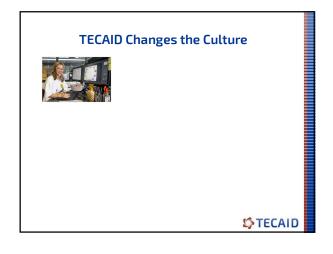






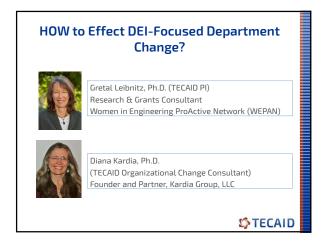




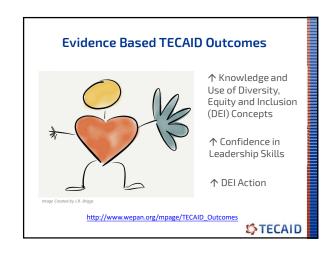


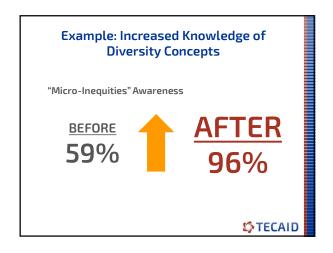


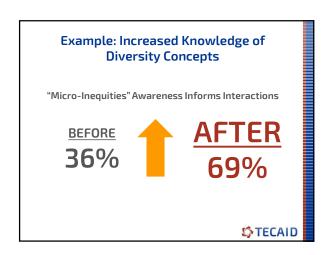
















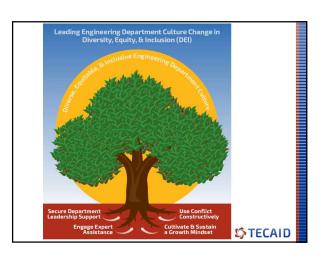


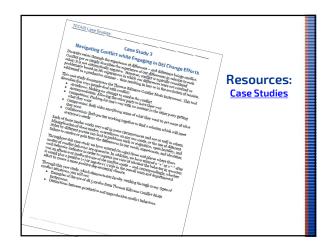


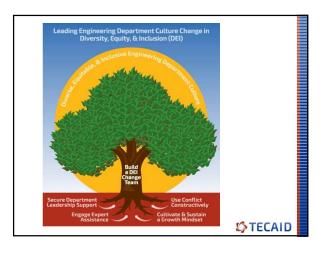
Chat: What's Your Vision?

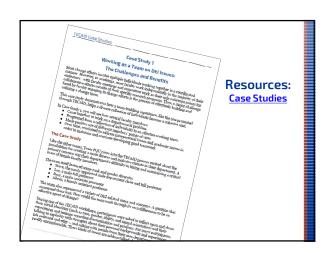
 Why does having a diverse, equitable, and inclusive engineering department culture matter to you?

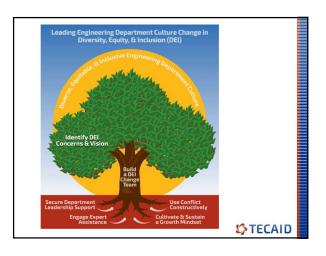


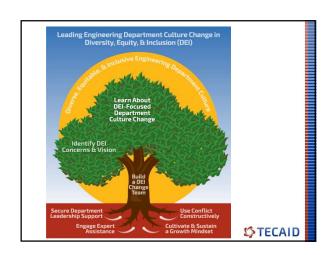


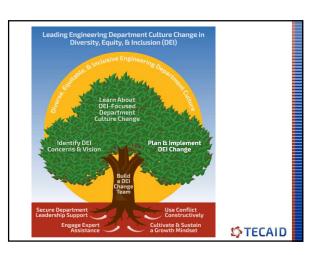


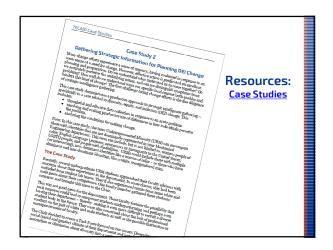


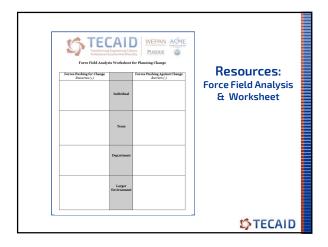




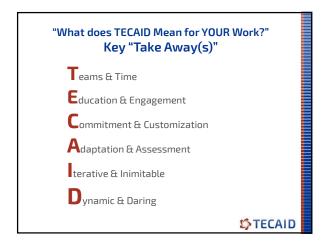


















Teaming Learning Outcomes in ME at Michigan Tech

Implementing in the ME Practice Courses and the Sr. Capstone Design sequence:

- 1. Full engagement in the team
- 2. Team roles
- 3. Productive conflict
- 4. Analyze evidence
- 5. Identify each students strengths

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Key "Take-Away(s)"

- **Start at the top** has to be important to the chair for change to happen.
- Get a **critical mass of stakeholders** who believe in the effort
- Faculty are busy: Indirectly educate faculty by developing the tools for faculty to teach the students inclusive approaches
- · Implement in stages
- It is a long term endeavor keep at it and don't give up



Who has Engaged in this change process?



Klod Kokini, (Co-PI) Professor, Mechanical Engineering (Formerly Associate Dean, College of Engineering) Purdue University

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Purdue Departmental DEI Change





Key "Take-Away(s)"

- Culture is traditionally defined by majority. Education
 of all, including the majority on DEI is critical for real
 change
- Institutional support, through Provost, Dean, Head is key to change
- It is important to build a community for change (inclusion) AND to increase underrepresented group members (diversity)
- It is a journey, not a destination: persistence is key

STECAID



www.wepan.org/mpage/TECAID

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Aisha Lawrey, LawreyA@asme.org (ASME Education Questions)

Bill Predebon, wwpredeb@mtu.edu (TECAID "Dept. Chair" Questions)

Klod Kokini, kokini@purdue.edu (TECAID "Dean/faculty" Questions)

Diana Kardia, diana@kardiagroup.com (TECAID DEI & Organizational Change Questions)

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