2020 ASEE WIED Business Meeting
Virtual Conference. Thu, Jun 25, 2020 at 2:00PM – 3:00PM.

Minutes taken by Pitiporn Asvapathanagul

1. **Approval of Agenda**: approved after an addition of PIC IV update.

2. **Approval of 2019 WIED Business Meeting Minutes**: approved

3. **PIC IV Update** Beth Hollaway (PIC IV Chair)
   - PIC IV Chair is connecting each division to the ASEE Board of director.
   - PIC IV Chair provides an update from the Board of Director to WIED and takes any feedbacks from WIED back to the Board of Director.
   - PIC IV provides a 37-slide file that includes all updates.
     - Enforce Code of Conducts through this virtual conference.
     - Total of 3,263 attendees as Jun 1, which is slightly down from last year.
     - Total of 1,762 papers published at this conference, which is up 8 compared to last year.
     - Total of 1,423 individual authors, which is up 19 compared to last year.
     - All conference contents will be available online for one year.
     - Reorganization of divisions in each PIC, and all were approved by the Board of Director. WIED is in PIC IV now and continues in PIC IV. Beth will also serve as PIC IV Chair. However, the whole new PIC organization is not available yet on ASEE website, but Beth is able to share the whole new organization at this moment if anyone would like to know.
     - Financial of ASEE overall with a deficit of $267,000 in year 2020 because of short fall of 2020 conference. The ASEE receives a loan from government, which is used for staff salary and facility renting. Hence, our ASEE staffs do not have a pay cut. The loan now becomes a grant, which ASEE does not need to pay back. However, there is no final word yet- ASEE has just submitted the paperwork. The financial for the entire ASEE organization seems healthy. Nevertheless, membership can help in the future in order to improve ASEE financial.
     - Board of Director now requires all field units and divisions to include diversity, equity and inclusion statement in their bylaws. This will be effect in June 2021. WIED bylaws are fine. However, bylaws needs to be updated every 5 years to the current practices.
     - July 2020 will be a new communication system called ASEE Hub. It is a platform to enhance ASEE members get connected.
     - Next year in July 2021 (after 2021 conference), monolith will be replaced with a new system to manage papers and arrange the conference.
     - Sandra is requested to submit the name of new officers to ASEE.
4. **Webmaster’s Report**
   - WIED website including
     - WIED Website:
     - Main Menu
     - Awards
     - Job Opportunities
     - Strategic Plan
     - Research Opportunities
     - WIED Minutes
     - Elections
     - Officers

5. **WIED Volunteers**
   - Thank you to volunteers who helped by reviewing papers for the Annual Meeting and reviewing the nominations for WIED’s awards!
   - If you would like to sign-up, please click [here](#).
   - If interested to be nominated for one of the board member positions, please contact Janet Callahan: callahan@mtu.edu.

6. **Program Chair’s Report 2019-2020**
   - For the 2020 conference, 45 final papers were assigned to sessions (35 in 2019, and 34 in 2018). 15 withdrew (12 in 2019, 12 in 2018).
   - We had 66 people who actively reviewed (43 last year). Thank you everyone. If you’d like to review, email next year’s program chair: Kristi Shryock: kshryock@tamu.edu
   - We have in total 8 technical sessions (6 in 2019), most with 5 or 6 papers per session. The one poster we had was assigned to a technical session.
   - Once again, we had three panels (same as last year), and cosponsored two others (details on following slide)
   - The “reception” went virtual and was co-hosted as usual with MIND and PCEE.
   - Panels and Panel Moderators
     1. Managing Dual Careers; Yuting W. Chen and Jena Shafai Asgarpooor
     2. Busting a Career Move? When and Why or Why Not? Adrienne Minerick and Jenna Carpenter
     3. Computing -- Increasing Participation of Women and Underrepresented Minorities; Linda Ott
   - Cosponsored Panels
     1. Educating Inclusive Engineers: Ensuring Equity and Inclusion in the Engineering Profession – Co-sponsored with MIND
     2. Faculty Advancement Panel – Co-sponsored with Engineering Management
   - Announcement for WIED activities on Friday June 26, 2020 10:40 to 11:00am.
Announcement for WIED activities on Friday June 26, 2020 11:20 to 11:40am.

- Shawn Fagan - A Phenomenological Exploration of Women’s Lived Experiences and Factors that Influence their Choice and Persistence in Engineering
- Maureen Smith, Jinny Rhee, and Belle Wei - Women in Engineering: Promoting Identity Exploration and Professional Development
- Agnes Germaine d’Entremont, Kerry Greer, and Katherine A. Lyon - Does Adding ‘Helping Disciplines’ to Engineering Schools Contribute to Gender Parity?
- Courtney Green - Exploring the Educational Experiences of Women Who Persisted in Engineering: A Qualitative Case Study
- Lourdes A. Medina, Saylisse Davila, Olga Beatriz Rivera, Nolgie Oquendo, and Maria Velazquez - Developing a Meta-Model of Critical Factors for Females in STEM with Application to a Minority-serving Institution

- WIED Accounts balance as 3/31/2020 of $28,034.00

### PIC IV: Division BASS Accounts, 3/31/20

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7. **Honors & Recognitions**
   - Honor roll
i. Please let us know about honors, promotions, and recognitions that members have received.
ii. Self-report or report for someone else.
iii. Send an email to our webmaster: Bethany Brinkman: bbrinkman@sbc.edu
iv. Contributions will go on the “Honor Roll” section on the website.

- 2020 Mara Wasburn Early Engineering Education Grant Award

  **Faculty Awardees**
  i. Dr. Rachel Childers-Th University of Oklahoma
  ii. Dr. Catherine McGough -Minnesota State University
  iii. Dr. Anna Tarakanova -University of Connecticut

  **Student Awardees**
  i. Erica Comber - Carnegie Mellon University
  ii. Megan Levis - University of Notre Dame
  iii. Amanda Johnston - Purdue University

8. WIED's Best Paper Recap

  **2020 Denice D. Denton Best Paper Award**
  “Gendered Professional Role Confidence and Persistence of Artificial Intelligence and Machine Learning Students”
  Authors: Alison Olechowski and Kimberly Ren
  University of Toronto
  Results:
  - Career Fit Confidence & Expertise Confidence found to be significant **positive predictors** of intentional persistence in ML/AI engineering.
  - Discrimination from Teaching Staff found to be a significant **negative predictor** of intentional persistence for women in general engineering.

“Gendered Professional Role Confidence and Persistence of Artificial Intelligence and Machine Learning Students”
Authors: Alison Olechowski and Kimberly Ren

**Summary of Hypotheses**

![Diagram](image_url)
9. WIED’s Best Diversity Paper Recap

2020 WIED Best Diversity Paper
“Interventions in Faculty Recruiting, Screening, and Hiring Processes Enable Greater Engineering Faculty Diversity”
Authors: Robyn Sandekian, Joann Silverstein, and Beverly Louie
University of Colorado, Boulder
Results: What’s Needed? Move the curve: Exponential increase through DEI-focused hiring!!

“Interventions in Faculty Recruiting, Screening, and Hiring Processes Enable Greater Engineering Faculty Diversity”
Authors: Robyn Sandekian, Joann Silverstein, and Beverly Louie

10. Election Results
- Brian Kirkmeyer – Program Chair Elect
- Idalis Villanueva – Secretary
- Jessica Perez – Director at Large
- Krystel Castillo – Assistant Webmaster
- Outgoing WIED officers
  i. Beena Sukumaran
  ii. Pitiporn Asvapathanagul
  iii. Panadda Marayong
  iv. Claire McCullough

- 2020-2021 WIED officers
  i. Sandra Eksioglu – Past Chair
  ii. Janet Callahan – Chair
  iii. Kristi Shryock – Program Chair
iv. Brian Kirkmeyer – Program Chair Elect (Newly Elected)
v. Angela Lueking – Treasurer
vi. Idalis Villanueva – Secretary (Newly Elected)
vii. Lily Gossage – Director of Awards
viii. Jenahvive K. Morgan – Director of Positions
ix. Bethany Brinkman – Webmaster
x. Malini Natarajarathinam – Director at Large
xi. Jessica Perez – Director at Large (Newly Elected)
xii. Krystel Castillo – Assistant Webmaster (Newly Elected)

11. Membership
   o All division in PIC IV membership is displayed below. WIED is ranked as the 3rd.
     The WIED memberships are maintained stably even during CoVID 19 pandemic
     (3/30/2020) when compared to the other two high memberships (EED and ERMD
     division)

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12. Adjourn

See You in Long Beach, California 2021