



**2020**  
Annual **INCOSE**  
international workshop  
**Torrance, CA, USA**  
January 25 - 28, 2020

# Empowering Women Leaders in SE

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[www.incose.org/IW2020](http://www.incose.org/IW2020)

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## MEMBERS

204

## CO-CHAIRS

## INCOSE CONNECT ADDRESS



<https://connect.incose.org/ProgramsProjects/EmpoweringWomen>

## INCOSE WEB PAGE



[incose.org/ewlse](https://incose.org/ewlse)

# Charter Summary



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## WG PURPOSE/MISSION

Imagine a world where women and men are equally represented as leaders in systems engineering.

## WG GOAL(S)

Our mission is to:

1. create a systems engineering environment welcoming to all;
2. promote the demonstrated value of women as systems engineers and leaders;
3. engage women in engineering and systems engineering at all levels of education around the world; and
4. enable increased participation and retention of women in systems engineering leadership.

## WG SCOPE

Our purpose is to:

1. increase participation of women in systems engineering and engineering leadership,
2. broaden awareness of the current state of women in systems engineering and engineering leadership through research,
3. remove obstacles for women seeking leadership roles in related engineering fields,
4. enable success through collaboration with professional societies, industry, government, academia, and individual advocates, and
5. to celebrate the benefits of diversity throughout our culture.

# IW Outcomes



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## IW Outcomes

- Spread the awareness of women leaders in systems engineering through our Empowering Women Leaders INCOSE buttons (and we are all out!).
- Recorded two related videos - one on Empowering Women and creating a world where women and men collaborate together seamlessly and that is the norm, and one on the essential role of diversity, equity and inclusion in building a better world through a systems approach.
- Held activity on looking across the life cycle at consequences of design decisions on society and gender
- Reviewed the state of diversity in INCOSE - findings from analyzing and comparing INCOSE data and membership
- Reviewed 2019 INCOSE Practitioner's Challenge - cleaning the Ganges River Basin
- Reviewed INCOSE Technical Leadership Institute requirements and related stories of women in leadership and engineering
- Reviewed how the INCOSE certification process adapted for international applications
- Held a training session on Negotiating, Influencing, and Power that included real-life case scenarios
- Reviewed next steps for "Letters to My Younger Self: How Systems Engineering has changed my life"
- Announced a Call for Chapters for "Emerging Trends in Systems Engineering Leadership"

# Planned Work past IW



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## PLANNED ACTIVITIES

Cross collaboration with Training Working Group

EWLSE 2020 Planned Events at the following conferences including one new one to be established by EWLSE:

- Asia Oceania : INCOSE Japan Symposium JCOSE 2020, SETE 2020 / SESA 25th anniversary, CSD&M Asia 2020
- EMEA Sector: 18th International Conference of Women Engineers and Scientists ICWES18, NoSE: Nordic Systems Engineering Tour 9th NoSE Spring Tour 2020, new EWLSE Swedish event in Fall
- Americas Sector: Conference on Systems Engineering Research (CSER 2020), American Society of Engineering Education (ASEE 2020), Society of Women Engineers (SWE 2020)

## PLANNED WORK PRODUCTS

Building content for above activities and events (panels, workshops):

- Exploring the Digitization of Human Bias
- The Role of Diversity, Equity, and Inclusion in Sustaining Earth's Future
- Increasing Gender Diversity through Professional STEM Societies: What works, what doesn't, and defining the path forward
- Hearing from Diverse Voices from the Classroom

Ebook: Letters to My Younger Self: How Systems Engineering Has Changed My Life

- In Round 3 of letters, planning how will be presented to public

Springer Hill Book: "Emerging Trends in Systems Engineering Leadership"

- To be written by women with acknowledged contributor and reviews