

Monday, June 2, 2025: Mission-Aligned Scholarship in STEM and Beyond

Locations: All sessions will be in the SCU Benson Center: Parlors B & C and the Williman Room.

8:00 Breakfast

8:45 Opening remarks and Introduction to meeting [Williman]

Dean Kendra Sharp: Opening remarks

Carlos Rivas, President of IAJES: Greetings from the IAJES

Siddhartan Govindasamy: Intro to North American IAJES and meeting

Ed Maurer: Intro to 2-day program

9:30 Participant introductions [Williman]

10:15 Holistic Faculty Development at a Jesuit University [Williman]

Presenter: Dean Amit Shukla (Seattle U)

Seattle University has received funding from two National Science Foundation ADVANCE grants, aimed at cultivating the changes necessary to implement a sustainable path toward faculty advancement that includes recognition and reward of traditionally hidden or under-valued work. Such work is vital to supporting our Jesuit educational mission. Through changes to promotion guidelines and intentional mentorship, SU is creating a culture that values holistic faculty development, empowering faculty to engage in scholarship and leadership that make a difference for students, the university, and the broader community.

11:00 Break

11:15 Panel: Mission-Engaged STEM Faculty Members - Stories from Diverse Perspectives [Williman]

Panel Facilitator: Dean Amit Shukla (Seattle U)

Panelists: Dr. Katie Kuder, Civil Engineering and Dean's Office, Dr. Agnieszka Miguel, Electrical and Computer Engineering, Dr. Jenny Loetscher, Chemistry and Dean's Office

In this interactive panel discussion, we will hear from a diversity of STEM faculty members who live out the Jesuit educational mission as scholars and leaders in diverse ways.

12:00 Lunch [Williman]

1:00 Activity: Forging your own path to holistic faculty development [Williman]

Facilitator: Dr. Jenny Loetscher, Chemistry and Dean's Office (Seattle U)

In this workshop, participants will be invited to reflect on their own professional pathway and how it aligns with our Jesuit educational mission.

2:30 Break

3:00 Poster session: Mission based research and pedagogy [Parlors B&C]

Facilitator: Shoba Krishnan (SCU)

Participants: Christine Zakzewski (Scranton), Jes Kuczenski and GCSP Scholars (SCU), Bryan Ranger (BC), Iris Stewart-Frey and EJ students (SCU), Chris Bacon and students (SCU), Rocio Segura and collaborators (SCU), Rick Hill (Detroit - Mercy)

Jesuit Schools share aspects of a common mission, which ideally is reflected in our scholarship, teaching, and engagement with the world. Day 1 wraps up with a poster session where participants can share research activities, pedagogical approaches, and community engagement that embodies our institutional missions.

5:00 Break & Dinner [Kerr Alumni Park - Oaxacan Kitchen Mobile – [map location](#)]

Tuesday, June 3, 2025: Mission-focused education and community engagement

8:00 Breakfast

9:00 Curricular reflective practices [Williman]

Facilitator: Siddhartan Govindasamy (BC)

Participants: Bryan Ranger (BC), Glenn Gaudette (BC), Aleksandar Zecevic (SCU), Bonita Banducci (SCU)

Reflection is a significant aspect of the Jesuit education experience. In this session, presenters will share their approaches and experiences incorporating reflective practices in their curriculum. These presentations could include explicit curricular experiences as well as extracurricular activities that cultivate reflective practice in students. The session will culminate with an open discussion involving all participants.

10:00 Developing courses that reflect mission-focused education/Models of project-based learning in engineering (Presentations) [Williman]

Facilitator: Shoba Krishnan (SCU)

Participants: Jes Kuczenski (SCU), Siddhartan Govindasamy (BC), Lou Sassoubre (USF)

In this session, presenters will share their experiences and provide examples of coursework that they have developed/been involved with that is mission focused. Presenters and participants will have an opportunity to discuss the challenges and opportunities associated with mission focused educational experiences. Related approaches to project-based learning in engineering at Jesuit universities and colleges will also be discussed.

11:00 Break

11:30 Beyond Innovation: Tackling Humanitarian Engineering Challenges (Presentations) [Williman]

Facilitator: Allan Báez Morales, Laura Doyle (SCU, Frugal Innovation Hub)

Participants: Rocio Segura (SCU), Bryan Ranger (BC)

As Jesuit universities, we are called to work on and innovate solutions for highly complex social justice issues. As engineers, we have much to contribute. However, we face numerous human, financial, academic, and technical challenges in our work. Join us at the Frugal Innovation Hub workshop, "Beyond Innovation: Tackling Humanitarian Engineering Challenges", where we will explore the question: What challenges do we face in advancing social justice through engineering? Through short presentations and structured conversations, we will identify key obstacles and collaborate to develop innovative solutions. We welcome participants: faculty, project supervisors, and students (undergraduate and graduate) interested in sharing their experiences with Humanitarian Engineering on their campus.

12:30 Lunch and Panel Discussion: Community engagement (A joint IAJES/AJCU session) [Williman]

Facilitators: Ed Maurer (SCU), AJCU representatives (SCU)

Part 1: (12:30-1:15) Panelists Iris Stewart-Frey (SCU) and Tonya Nilsson (SCU and SJSU) will share their experiences with engaging communities in teaching and research.

Part 2: (1:15-2:00) Community Engagement Partnerships in STEM [coordinated by AJCU] with panelists Jessica Allen, (Rockhurst), Silvia Figueira (SCU), and Prashanth Asuri (SCU)

2:00 Break and walk to Forge Garden

2:30 Tour of Forge Garden and Solar Decathlon house

3:30 Examen - closing reflection

Facilitator: Tony Cortese, SCU Ignatian Center

4:15 Reception [SCDI third floor terrace]