

WEEF-GEDC 2021 Peace Engineering Panel

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I. PANEL FORMAT

- Duration 1 hour and thirty minutes
- Two 45 minutes sessions.
- 7-minute introduction by moderators to setup the stage, context for the dialogue.
- Invite several panelist and ask questions that require immediate responses. No presentations. Video recordings are allowed.
- The moderator has to keep track of time and also ask pertinent questions when all panelist finish answering a question and connect with other responses.
- We do not want the session to be linear.
- We have to identify each panelist and work with them on specific topics/questions, we do not want much overlap.

II. PEACE ENGINEERING: A CALL TO ACTION 2020-2030

From the Nobel Prize Summit – Our Planet, Our Future

(<https://www.nobelprize.org/events/nobel-prize-summit/2021>)

there is a global call to action to address challenges in this decade (2020 – 2030) before they get out of hand, becoming more complex, more costly (lives, money, conflict, migration, other), and we reach a point of no return. There is a sense of urgency to act now, especially in academia, to educate the next generation of professionals to innovate/design/produce NEW solutions.

The goal of this panel is to spark the audience to engage in the call to action. A series of questions for deans, faculty, staff and students to act now, produce change, will be presented to the panelists. Example of questions are:

A. Immediate asks in the current decade for academic programs to address the global crisis

- How can academia pivot quickly to produce the next generation of professionals with a new mindset and tools?
- Are the current engineering curricula in synch with the call to action?

- Are you working on minor programs, undergraduate and graduate programs, executive education (micro credentials, stackable degrees) to address your current community needs?
- What is the path to accreditation?
- What is the role of alumni, industry, government, community?
- Are we producing the correct talent with the right tools and mindset?
- Are the new professionals employable? What needs to happen?
- Are we teaching and are students learning? All teach all learn model or one way only?
- What about funding? How is your funding? Can you fund new initiatives? US-Canada, Latin America, Europe, Asia, Middle East, Africa.
- Can we sprinkle the right content and tools in existing academic programs without adding more credits?
- How do we weave principles of Peace Engineering throughout the UG curriculum?
- How can we encourage to work more on community based cases?

B. What is the profile of a Peace Engineer?

- Is it the convergence of Science, Technology, Engineering, Arts, Social Sciences, Humanities and Health? Breadth and depth?

- Can we educate with a new socio-techno-policy-health-finance mindset?
- What are the tools for sustainability, and can we scale from the individual to higher levels of organization?
- How can we work in creating new solutions understanding the intended and unintended consequences? Act locally but think globally.
- Social responsibility needs to start at home? What is your footprint on the planet? What are you doing to make a difference?
- How do we educate on resilience, relinquishment, restoration, reconciliation?
- How do we finance peace and resiliency?
- Is context awareness important?
- Is data, metrics, data sciences, digital skills, digital repositories some of the tools of Peace Engineering?
- Can technology be used to address and minimize climate change (68% of biodiversity has disappeared since 1970)?
- Who is the virus? COVID-19 or humans? Are more pandemics to come?
- What is the future of policy and the rule of law?
- **OTHER and open to the audience.**