



SEFI Special Interest Group on Sustainability invites you to participate in:

S.E.E. EARTH

Sustainability Engineering Education for one EARTH

WHY S.E.E. Earth?

Presently, the world is going under major political, social and economic changes. Some driven by sustainability-related challenges and problems which threaten our future, and the planet, as we know. Engineers and scientists play a pivotal role in the development of innovative, eco-friendly technologies and practices. Engineering education for, and of the future, must ensure that the next generation of engineers are equipped with competence to tackle environmental challenges. By integrating sustainability into engineering education, we can foster a generation of professionals dedicated to creating a sustainable and resilient world; however, practitioners and educators still struggle to relate and contextualize their subject discipline with sustainability as well as educate for it.

WHEN?



11.00 – 13.00 **CEST**

&



11 AM – 1 PM **MDT**

WHAT?

Online event to raise awareness, share knowledge, experiences, and to strengthen capacity for sustainability education as part of the celebration of the International Earth Day.

FOR WHOM?

Students, practitioners, researchers, industry...

REGISTER HERE!



PROGRAMME(s):

Programme 1.
11.00 – 13.00 CEST
(3 am – 5 am MDT)

Welcome (10 min.)

Session 1. Integration of sustainability in engineering curriculum: Case example from Johan Berg Pettersen & Geir Egil Dahle Øien (NTNU, Norway)

Session 2. Pedagogical resources to support educators educating for sustainability by Sarah Hitt (New Model Institute for Technology and Engineering - NMITE, UK) **(1h20)**

Panel ‘Working with **industry** to educate on ‘hard’ sustainability – The Airbus Road to Hydrogen Business Case’ with Kirsten Williamson (CEO LEX) and Adrian Johnson (INSEAD + QinetiQ) **(30 min)**

Programme 2.
11 AM – 1 PM MDT
(19.00 – 21.00 CEST)

Welcome (10 min)

Session 1. Pedagogical resources to support educators educating for sustainability: examples brought by Cindy Anderson (Alula Consulting, US)

Session 2. Integration of sustainability in engineering education: Case example from Dustyn Roberts (University of Pennsylvania, US) **(1h20 min)**

Panel ‘**Industry** needs can be met by collaboration on sustainability credentials’ with Shannon O’Donnell (Siemens) and Suavi Yildirim (FAU Germany) **(30 min)**



OUR GUESTS



Johan Berg Pettersen
(NTNU, Norway)



Geir Egil Dahle Øien
(NTNU, Norway)



Sarah Hitt
(NMITE, UK)



Kirsten Williamson
(CEO LEX)



Adrian Johnson
(INSEAD + QinetiQ)



Dustyn Roberts
(University of
Pennsylvania, US)



Cindy Anderson
(Alula Consulting, US)



Shannon O'Donnell
(Siemens)



Suavi Yildirim
(FAU Germany)

ORGANIZING COMMITTEE:

SEFI SIG for sustainability and its members, namely Aida Guerra (Aalborg University), Cindy Cooper (The Lemelson Foundation); Kirsten Williamson (CEO LEX), Valentina Rossi (EPFL) and Alfredo Soeiro (University of Porto)