MARCH 4-11, 2022
AGENDA

"Towards Sustainability with Digitalization and Artificial Intelligence"

The opportunities and risks of Digitalization and Artificial Intelligence (D&AI) for sustainable development are subject to intense and controversial debate. The Digitainable Spring School 2022 (DSS 2022) will shed light on this discussion by a series of lectures and various participatory formats. The DSS 2022 is based on a logic of interdisciplinary knowledge, oriented towards promoting productive, collaborative, critical, and creative discussions between different disciplines and schools of thought, between theory, research, and current practices on the mindful application of D&AI for sustainable development. The notion of sustainable development (SD) is considered a global aspiration towards the consciousness of the necessity of a new paradigm for development, guiding resilient progress respecting the interrelation between economic growth, social inclusion, and environmental protection for the individual and collective well-being. It has received its most recent and comprehensive formulation in the UN Agenda 2030 with its 17 Sustainable Development Goals (SDGs). We believe that implications of D&AI for the SDG framework the complex interlinkages remain under-discussed so far, raising concerns about their appropriateness to places, contexts, and specific problems. The DSS 2022 aims to stimulate this discussion and foster the development of research networks of bring minds, guided by critical, alternative, and complementary views of mindful use D&AI for sustainable development.

"AI and Digitalization are two of the best things to happen in this decade for sustainability."

- Santosh Mishra

"Digital infrastructures are essential for Integrated Surveillance Systems."

- Dr Timo Falkenberg

DAY 1
March 4, 2022

"The future is virtual for our present; Artificial Intelligence (AI) enables us to understand better the space of future scenarios and place our development on the track of sustainability." - Dr Mostapha Harb

Moderators	Jazmin Campos Zeballos Dr Shivam Gupta Mnena Inyaregh
10:10 - 10:50 (CET)	**SPEAKER:** Prof Dr Dorothea Kleine **Theme: D&AI 4SD**
10:50 - 10:55	**Coffee Break**
11:00 - 11:40	**SPEAKER:** Steffen Roos **Theme: D&AI IN THE PRIVATE SECTOR**
11:41 - 12:20	**SPEAKER:** Dr Francisca Mazzi **Theme: D&AI FOR SOCIAL GOOD**
12:20 - 13:00	**Questions and answers /Audience interaction**
13:00 - 14:00	**Lunch break**
14:30 - 17:00	**Group work**

DAY 2
March 7, 2022

Moderators	Jazmin Campos Zeballos
	Dr Shivam Gupta
	Mnena Inyaregh
11:10 - 15:00 (CET)	**Group Interaction/table top exercise**

DAY 3
March 8, 2022

"Technology magnifies political intent; digitalization will only help achieve the SDGs if governments are intentional about supporting a human rights-based development agenda." - Dr Charles Martin-Shields

Moderators	Jazmin Campos Zeballos
	Dr Shivam Gupta
	Mnena Inyaregh
14:00 - 14:40 (CET)	**SPEAKER:** Dr Timo Falkenberg **Theme: D&AI IN HEALTH SDGS**
14:41 – 15:20	**SPEAKER:** Dr Heike Baumüller **Theme: D&AI IN AGRICULTURE**
15:20 - 15:35	**Coffee Break / Q&A**
15:30 - 16:10	**SPEAKER:** Dr Mostapha Harb **Theme: D&AI IN CLIMATE CHANGE**
16:11 - 16:50	**SPEAKER:** Dr Charles Martin-Shields **Theme: D&AI IN PEACE**
16:50 - 18:00	**Interactive Q&A session / Break out rooms/ Group work**

DAY 4
March 9, 2022

"Big levers instead of small steps - We need a transformation of the digital infrastructure. The really big levers for achieving the SDGs lie not in a few saved business trips but in rethinking the digital infrastructure as an intelligent and hyper- connected ecosystem as backbone for a reinvented sustainable economy." - Steffen Roos

Moderators	Jazmin Campos Zeballos
	Dr Shivam Gupta
	Mnena Inyaregh
13:00 - 18:00 (CET)	**SPEAKER:** Simon Nicolas Fröhlich **DESIGN THINKING** **(Hands on Session)**

DAY 5
March 10, 2022

"While there is a growing effort towards AI for Sustainability (e.g., towards the sustainable development goals) it is time to move beyond that and to address the sustainability of developing and using AI systems." - Prof Dr Aimee van Wynsberghe

Moderators	Jazmin Campos Zeballos Dr Shivam Gupta Mnena Inyaregh
13:10 - 13:50 (CET)	**SPEAKER:** Dr Tatjana Reiber **Theme: D&AI IN PARTNERSHIP**
14:00 – 14:40	**SPEAKERS:** Thomas Poggenpohl Santosh Mishra **Theme: D&AI AND GOVERNANCE**
14:40 - 14:49	**Coffee Break / Q&A**
14:50 - 15:30	**SPEAKER:** Prof Dr Aimee van Wynsberghe **Theme: SUSTAINBLE AI AND ETHICS**
16:00 - 17:00	**SPEAKER:** Prof Dr Ramchandra Bhandari **Theme: D&AI FOR SDGs AND POTENTIAL TRADEOFFS**

DAY 6
March 11, 2022

"Power generation and supply infrastructure will be obviously inevitable, but the future sustainable energy transition is possible only with digitalization in distribution, trading and end use sectors." - Prof Dr Ramchandra Bhandari

Moderators	Jazmin Campos Zeballos
	Dr Shivam Gupta
	Mnena Inyaregh
10:00 (CET)	**GROUPS 1-5** **Theme: GROUP PRESENTATIONS** **SPEAKERS:** Jazmin Campos Zeballos & Dr Shivam Gupta **CLOSING REMARKS / CERTIFICATES**

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