Sustainable Education in a Digital Age of rapidly Emerging Technologies

IFIP TC3 Zanzibar Declaration - Webinars and Follow-up Conference

IFIP Technical Committee 3 (TC3) agreed in its Annual General Meeting in April 2019, held in Zanzibar, Tanzania, to initiate a declaration on '**Sustainable Education in a Digital Age of rapidly Emerging Technologies**'. This 'Zanzibar Declaration' (ZD) focuses on future challenges that arise from rapidly emerging technologies impacting societies and communities. This series of events will explore these challenges and propose approaches to address them.

The ZD will consider a range of topics covering recent important digital technology developments, their societal impact, and resulting educational challenges.

To consider challenges in as many countries, situations, local contexts, and experiences as possible, IFIP experts and practitioners are asked to contribute their ideas to support the development of the ZD, using a matrix document. This will be a dynamic process, collecting contributions and data, supplemented and updated over time. The outcomes will describe the different challenges and development paths in different countries.

To drive this dynamic process forward, we intend to focus discussions on selected priority areas, and include **a broad spectrum of expertise**, through a series of 4 webinars as triggering events. In these, researchers, practitioners, and decision-makers will have their say through a panel discussion and online comment, exchanging experiences and views on respective thematic areas. All participants will have the opportunity to join the discussion via moderated chat and Twitter during the webinars, or comment on issues discussed in a forum afterwards.

In this way, a wide variety of individuals will be invited to participate in an international process at various levels. Being a part of an international exchange of experience on these topics, those involved will offer and receive ideas and stimuli related to their policy, research or pedagogical practice, consider how to deal with possible consequences of future technological developments in their respective social environments and present their situational perspectives. The webinars will offer the opportunity to establish worldwide networks through Communities of Interest to enable continuing working together on particular topics in the future.

The benefit for society is to build collaboratively and make visible a wide landscape of the consequences of future technological developments across a wide variety of social environments. Such a landscape can then be used as a map for different actors to think about their policy, to strategically orient their practices or research perspectives, to:

- Gain new theoretical, technical, and didactic insights from the subject areas of the webinars
- Share insights into various practical contexts and examples of implementation in different countries
- Participate in the design of the ZD through synchronous contributions during the webinar (chat, tweets), asynchronous follow-up discussion (forums), or short contributions to the ZD matrix
- Build up networks of researchers, practitioners, decision-makers to promote joint work on thematic projects
- Submit and publish a (co-operative) scientific publication for the Follow-Up Conference

The focal topics of the webinars will be:

- W1 (March): Social Impacts of Big Data Analysis and Machine Learning
- W2 (April): Impact of Computer Networks and Communication on the Economic and Ecological Transformations of Society
- W3 (May): Ethical Issues of Autonomous Systems
- W4 (June): Power of AI-Methods and Algorithms for Decision-Making

More details will be sent out shortly.