

IGF 2017 Reporting Template

- Session Title: Building Blocks of Trust for a Sustainable, Evolving Internet

- Date: 21 December 2017

- Time: 9:00

- Session Organizer: Karen McCabe, IEEE

- Chair/Moderator: Greg Shannon, Carnegie Mellon University and Ichrak Mars, IEEE Special Interest Group on Humanitarian Technology Tunisia

- Rapporteur/Notetaker: Jim Wendorf, IEEE

- List of Speakers and their institutional affiliations:

- Marina Ruggieri, Full Professor of Telecommunications Engineering at the University of Roma "Tor Vergata" and IEEE 2017 Vice President, Technical Activities
- Arisa Ema, Assistant Professor at the University of Tokyo and Visiting Researcher at RIKEN Center for Advanced Intelligence Project in Japan.
- Danit Gal, Yenching Scholar at Peking University and International Strategic Advisor to the iCenter at Tsinghua University in Beijing, China. Danit chairs the Outreach Committee of The IEEE Global AI Ethics Initiative and is a member of the Executive, Policy, Mixed-Reality, and Reframing Autonomous Weapon Systems committees.

- Key Issues raised (1 sentence per issue):

- Every state of our daily lives we place a tremendous amount of trust in technology, people and institutions.
- The topic of trust in China is fundamental because there is a very strong incentive for the government to cultivate trust that in a lot of policies, the vision that it has for trust is to have social interaction to develop a sense of mutual trust.
- There is a lot of optimism about the ability of technology to really create that kind of connection and foster the kind of meaningful policies and government planning that could deliver better services and trust to the citizens.
- In Japan, harmony or maybe more like coexistence with the robots will be a very important thing.
- Robots and AI contribute not only the efficiency or the economic growth, but it is considered as a partner of human beings.
- There exists some kind of certain responsibility to the create users guidelines of AI.
- Responsibility and human centricity are essential in building trust in the net.
- The notion of explainable artificial intelligence is important so that an autonomous system can explain why it made a certain decision in situations such as loan applications.

- There is an interesting level of trust between the people who use the technology and the people who design the technology and the interaction between them.

- Please describe the Discussions that took place during the workshop session:

The session discussed the value of the Internet and ICTs in all areas of global community and economy grows, issues of trust, ethics, and privacy can become barriers to achieving global benefit, particularly for underserved countries and communities. The overarching theme of the session focused on trust and accountability from all.

As autonomous systems become more pervasive, the interactions with humans will vastly increase where coexistence will become the norm. In order to facilitate these interactions, there is a responsibility to create guidelines and to ensure that these systems can explain why it made a particular decision.

- Please describe any Participant suggestions regarding the way forward/ potential next steps /key takeaways:

In order to build trust, AI and autonomous systems need to be designed in a responsible manner so that individuals can trust these systems. In particular, user guidelines should be created so that these systems are designed in ethical fashion. In addition, these systems should be designed so that the reasoning behind a decision can be explained.

Gender Reporting

- Estimate the overall number of the participants present at the session: 20

- Estimate the overall number of women present at the session: 7

- To what extent did the session discuss gender equality and/or women's empowerment?

The session did not explicitly focus on gender issues. All three of the panellists as well as a co-moderator are women.

- If the session addressed issues related to gender equality and/or women's empowerment, please provide a brief summary of the discussion: