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## Session A1

Room: Brookfield, Wednesday 3.15- 6pm

### **Assessment of the Technology and Work Environments Relations**

António Moniz ITAS-KIT and FCT-UNL , Bettina Krings ITAS-KIT, Linda Nierling ITAS-KIT

- Linda Nierling - ITAS-KIT, Germany
- Alberto Cipriani - FIM-CISL, Italy
  - Digitalisation system and people involvement: practices to increase participation on the shop floor
- António Moniz -ITAS-KIT and FCT-UNL, Portugal
  - The relation between technology and humans under automation and Industry 4.0: will work disappear?
- Linda Kool - Rathenau Inst., Netherlands
  - Working on the robot society. It's not about technology, it's about us

Since industrialization, the relationship between technical change and labor structures has been highly complex, and is still being discussed and interpreted today. The use of information and communication technologies has had an enormous impact not only on the reorganization of the service sector; the worldwide integration of technical systems (e.g. in production, logistics, marketing, etc.) has also created new forms of global value chains, leading to substantial changes in the mode of work, worldwide. Today, these changes can no longer be explained by a causal model, but new theoretical approaches are required to integrate the technological dimension into the new globalization debate, the long tradition of organizational sociology, and the debate about "subjectivization" of work. Singular aspects of technologies in the work process which bring about new developments (e.g. to new technologies in health care, cyber-physical systems, Industry 4.0) can be examined in the framework of technology assessment. The technological impacts of these developments in turn are integrated into a conceptual re-evaluation of the relationship between work and technology.