

## **Towards Intelligent Society: Info-computational Approach**

### **Abstract**

Computing is becoming ubiquitous and essential for human society, globally. As participants in a major technological and cultural change caused by ICT, we want to be able to understand ongoing processes and to anticipate future possibilities. When we introduce changes in the society, we want to know their possible consequences. The goal of social computing is to provide a tool for decision making where diverse scenarios can be elucidated, analyzed and compared.

Programs of social change often envisage certain goals, but it is not at all clear how those goals can be reached. Unfavorable development can result from the lack of understanding of possible outcomes of interventions, decisions and other changes in social systems.

At present, societal decisions are typically made based on intuitions of responsible leaders. As social agents we have intuitions on the individual level which are by necessity limited. Computational techniques based on big data and corresponding information can augment personal intuitions and enlarge understanding on a social level.

In this talk I will discuss an example of possible support to knowledge building and decision-making of computational models in case of Covid pandemics. Illustration will be presented on how info-computational approaches can support intelligent society in choosing adequate strategies, learning, making best informed decisions and taking intelligent courses of action. There are both great promises and foreseeable as well as unforeseeable challenges of applying intelligent technologies to inform decisions about the future.