

Computer science protecting human society against epidemics

28-29 June 2021 - online

Conference topics:

IT support for understanding Covid-19 pandemics and its effects:

- Collecting data on Covid-19
- Modeling and prediction of virus spread
- Modeling social, economic, and other effects of epidemics
- Covid-19 diagnosis
- Bioinformatics aspects of Covid-19
- IT tools: artificial intelligence and deep learning, virtual reality systems, location and navigation systems, big data, the Internet of Things in collecting information, quantum computing in information processing

IT aspects of society's life during pandemics:

- Social communication systems
- Remote work
- Remote education, On-line universities
- Remote medicine
- IT support for the functioning of cities during an epidemic
- Rationing of scarce goods
- Social life and entertainment via the Internet
- Computer science in protection against infection

Security and privacy during pandemics:

- Tracking contacts that threaten infection, location in confined spaces
- Control of people in quarantine
- Planning of testing and vaccination safety of individual social groups depending on age and functions (medicine, army)

Dates:

Paper submission: 15th April 2021

Notification of paper acceptance: 15th May 2021

Final paper submission and registration: 30th May 2021

Conference: 28th-29th June 2021

Chairs:

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