

5th International conference on

Big Data Analysis and Data Mining

June 20-21

2018

Rome, Italy

Workshop on

Holistic Analysis and Management of Distributed Social Systems

Overview:

Social systems and social networks expressing them can be large and complex, consisting of millions to billions of nodes and links. They may constantly change volume and structure adequately reflecting world dynamics. Seeing, understanding and properly managing such systems is crucial for world's prosperity and security. Traditional centralized copying and visualization of large networks may require unacceptable amounts of time, storage, and computing resources. Moreover, the copied networks may become useless even at the start, as related situations in real world change quickly. Really useful solutions should be dealing with social systems instantaneously, massively, and directly in places where the needed information originates. An advanced ideology and technology providing holistic vision and management of large social systems will be revealed with effective implementation on many existing platforms. The approach can simultaneously use any distributed computing and communication resources with finding cooperative solutions under high-level spatial scenarios written in a special language. Based on self-spreading, self-replicating and self-matching techniques, the technology creates powerful runtime operational infrastructures deeply embedded into human societies, for solving any problems in networked systems. Its implementation and use can rely on agreements with numerous organizations and individuals involved; it can also operate in a stealth manner for specific applications. The workshop will be exhibiting exemplary solutions of numerous practical problems related to social systems -- from their comprehension and analysis to support and protection, including extensive use of advanced robotics and driverless transport.

Who Should Attend:

- Operation Managers
- Command and Control Staff
- Intelligence Officers
- Psychologists
- Anthropologists
- Political scientists
- Military Religious representatives
- Engaged in distributed simulation and training
- Networking Software Engineers
- Governmental Officials
- Mechanical Engineers
- Electrical Engineers
- Computer Engineers
- IT Professionals

Register online:

<https://datamining.conferenceseries.com/registration.php>

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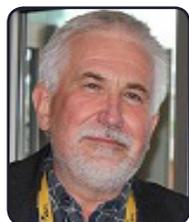
GROUP DISCOUNTS AVAILABLE

Programme Schedule	
09:00-09:10	Introduction
09:10-09:50	Description of holistic Spatial Grasp Model and Technology (SGT) for solving problems in distributed dynamic environments
09:50-10:15	Exhibition and discussion of practical examples for solving social problems under SGT in parallel and distributed mode, including finding critical structures in social networks, unified human-robotic societies, advanced collective robotics, air and missile defence, global Earth protection, and future autonomous transport.
10:15-10:30	Coffee Break
10:30-11:15	Distributed interactive simulation of solving exemplary social problems under SGT, with collective live engagement of the whole audience.
11:15-11:30	Concluding Remarks

Invitation to the workshop

The workshop invites all people who are experienced or just interested in world dynamics, computer science, networking, artificial intelligence, algorithm design, parallel and distributed computing, experimental, industrial and military robotics, infrastructure management and protection, analysis and management of social systems, collective psychology, also those dealing with advanced mission planning, simulation and command and control in both civil and defense areas.

About the workshop leader



Dr Peter Sapaty, Chief Research Scientist, Ukrainian Academy of Sciences, is with networked systems for five decades. Except Ukraine, worked in Czechoslovakia, Germany, UK, Canada and Japan as group leader, Alexander von Humboldt researcher and special invited, invited and visiting professor, also created and chaired SIG on Mobile Cooperative Technologies in Distributed Interactive Simulation project in the US, being its steering committee member.

Invented distributed control technology resulted in European patent and Wiley and Springer books, published about 200 papers on distributed system organizations. Regularly served as workshop organizer, sessions chair, keynote and invited speaker at scientific and defense conferences in different countries. His bio is in Marquis Who's Who in the World and Cambridge Outstanding Intellectuals of the 21st Century. Peter is also engaged in different international scientific journals, as editor-in-chief including.

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