INSTITUTE OF COMPUTER SCIENCE

ICS

ROMANIAN ACADEMY IASI

Modeling and mitigation the effects of the disasters

Symposium

2-4 Nov. 2016

Iasi, Romania

**Organized within the SPS grant G4877:
Modeling and mitigation of social disasters
caused by catastrophes and terrorism**

**Co-Organizers
Applied System Analysis NTUU "KPI"
Kyiv , Ukraine**

**Institute of Mathematics and Computer Science,
Academy of Sciences of Moldova, Chisinau,
R. Moldova**

NATO OTAN

This workshop is supported by: The NATO Science for Peace and Security Programme

Program of the Symposium
November 2, 2016, 19:00
Preliminary meeting and informal discussions

November 3, 2016
Time: 9:00 – 12:00

Establishing a situational analytical centre for monitoring, detection, and reaction to social disasters.
  Nataliia Pankratova, Professor, Deputy Director, Institute for Applied System Analysis NTUU "KPI", Kyiv, Ukraine

Tools for text monitoring and analysis aimed at the field of social disasters, catastrophes, and terrorism.
  Volodymyr Savstiyanov, researcher, Institute for Applied System Analysis NTUU "KPI", Kyiv, Ukraine

Developing a mechanism for forecast and foresight of processes of social disasters.
  Illia Savchenko, PhD, researcher, Institute for Applied System Analysis NTUU "KPI", Kyiv, Ukraine

Quantitative and qualitative analysis of the evacuation system by means of Petri nets.
  Dr. Inga Titchiev, Institute of Mathematics and Computer Science ASM

Human emotions and actions recognition using modular neural networks.
  Veaceslav Albu, Institute of Mathematics and Computer Science ASM

Online media monitoring and analysis of texts related to the field of social disasters.
  Dr. hab., prof. Svetlana Cojocaru, Director IMI ASM, Mircea Petic, Grigore Horos, Institute of Mathematics and Computer Science ASM

November 3, 2016
Time: 16:00 – 17:30

A proposal framework for dangerous events detection from audio signal.
  Dr. Vasile Apopei, Director IIT

Lessons learned on language processes and language statistics in the posts associated to disasters on Social Networks.
  Cecilia Bolea, Senior res., IIT

Detection of abnormal movements in crowded scenes.
  Ramona Luca, researcher and Dr. Silviu Bejinariu, IIT

An overview of SNs response to events – what is predictable?
  H.N. Teodorescu, m.c., Romanian Academy – Iasi Branch / IIT

November 3, 2016
Roundtable: Future work and developments
Time: 17:30 – 18:30

November 4, 2016, 9:00

Visit at the Institute of Computer Science of the Romanian Academy, Iasi, and discussions for future collaborations.

Closing of the symposium.