



PRO-VE'19–20th IFIP/ SOCOLNET Working Conference on Virtual Enterprises
Turin, Italy – 23-25 Sep 2019

**Special Session on
Safe Escape 4.0!**

Future Trends of Connected world for Collaborative Safe Escape in case of Natural or Human Provoked Hazards

Scope. Despite the advancement of technology and the improvement of procedures to reduce the risk of natural and human provoked hazards, still, the statistics show many people losing their lives or being affected for the rest of their life by such events. There are many works concentrated on three phases, before, during and after disasters with the objective of decreasing the impacts of disasters and saving the lives. This subject includes a wide range of researches and attracts researchers from different disciplines. To build a safe Environment, different aspects need to be considered. A wide variety of skills and knowledge should be incorporated together to tackle related problems. One important issue in case of any disaster is the Evacuation procedure which could be called "Escape" from the eyes of the people who are involved. "Safe Escape" is very crucial and as the probability of disasters could never reach zero, there are many efforts to reduce the time and side effects of the escaping process. The most important issue in these situations is information. The right information at the right time could save lives. This means beyond all efforts and traditional procedures and technology, a new game changer trend based on the Fourth Industrial Revolution is raising which could help for a shifting paradigm. Considering buildings as an Intelligent cyber-physical system, as well as all connected things in and out of it, a new approach to change the way of dealing with the problem of Safe Escaping could be recognized. The main issue here in this special session is collaboration as it is obvious that if all involved people, including potential victims, could communicate and be connected with each other and with the smart things around as well as outside, the chance to make the proper decision in the right time to minimize the process and find the best strategy to escape will increase. This means that if we can develop a virtual platform to build a "Temporary Collaborative Network" in the time of disasters, using pre-existing "Collaborative Networks", we can change the game. This session would like to put light on the future directions to see how we could use technologies and managerial solutions to create "Collaborate Network" on time, by using connected devices and sharing real time information to receive, analyse and report the information in the best way and to make sure the evacuation process could be done in the shortest time with minimum drawbacks.

Topics of interest include but are not limited to:

- Temporary CNs in Disasters
- Information sharing Platform in Disasters
- Buildings as an Intelligent Cyber Physical System in Disasters
- Collaborative Smart Routing support system in disasters
- Internet of people for data acquisition in intelligent DSS for Safe Escape
- Safe Escape through Decentralized smart communicators
- Personalized Safe Escape Planning in disasters
- Smart connected devices for Timely information in disasters
- Dynamic Crowd Behaviour Simulation / Real-time Analysis in Disaster Management
- Semantic web of supportive information in disasters
- A multi resources real-time warning system in disasters

Session Organizers:

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Submission procedure: Papers accepted for this session are included in the PRO-VE 2019 conference proceedings and follow the same reviewing process.

Important dates:

- Abstracts: 17 Mar 2019
- Full paper: 07 Apr 2019
- Acceptance notification: 18 May 2019
- Camera ready: 28 May 2019

Acceptance of papers is based on the full paper (up to 8 pages). Each paper will be evaluated by three members of the International Program Committee. However, prospective authors should submit a short abstract in advance, in order to check if the proposed topic fits within the conference scope.

When submitting on the web site, you have to indicate the name of the special session. Submission on: www.pro-ve.org, with copy by email to the chairs of the special session.