



TIEMS International Pool Teacher & Trainer Biography

Name: *Jaroslav Pejcoch.*

Position: *Chairman of the Board*

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Biography:

Jaroslav is a Chairman of the Board and co-founder of T-SOFT Company based in Prague, Czech Republic. After the graduation at the Czech Technical University, Faculty of Electronics in Prague (1975) he started to work at the Electronic Research institute Tesla VÚST - Division of Computer Graphics and Integrated Circuits Design. With the experience of software development and system architecture he progressed over years to the position of Director of IT Division (120 people). In 1991 he founded with several colleagues from the institute, the software company T-SOFT. From the beginning the company has specialized to system integration, especially in the area of security and crisis management. Nowadays the company (about 70 people) is an important player at the market of "mission-critical" systems in the Czech Republic and has also international activities.

Jaroslav is a Founding member of the international organization AFCEA Czech Chapter and member of the Board of Directors. He is also member of the Czech National Committee of ISDR. For many years Jaroslav has been active in TIEMS (The international Emergency Managers Society) working in the Board and currently he is elected as the Chair of TIEMS Advisory Board.

Jaroslav has a long track in the Crisis Management and Security, especially in the information technologies related to this area. His company designed and implemented several systems for crisis management decision support. A special focus has been taken to the education and preparation of crisis managers. Together with the universities, T-SOFT created a suite of products suitable to form a Crisis Management Classroom, to educate, train and exercise crisis managers. For example the modeling, resources management, monitoring and other tools are utilized in several universities.

Publication activities in areas of computer graphics, computer user interfaces, information and communication technologies, information logistic, systems for protection of citizens and environment, interoperability of systems, crisis management, critical infrastructure protection go together with the teaching, presentations and exercising. Jaroslav is married, has 4 children. His hobbies are Music (active piano player and composer), Mountaineering Photography.



TIEMS International Education Program Course

Teacher & Trainer: Jaroslav Pejcoch

Title of Course: *Disaster Modeling – Focus to Terrorist Attacks*

Course content:

The disasters of various kinds may cause a vast damage to the territory, economy and at the end to the social infrastructure of the society.”

With the rising complexity of infrastructure, interdependences, which might be not visible for the first glance, the disaster may be an initiator of further domino effect, which could be very costly or even fatal to the citizens.

For this lesson, we will put aside the natural disasters as floods, earthquakes, tsunamis or tornados, etc. and will concentrate to the potential risk, which is brought to our regions or cities by us, by people.

There are many risks associated to for example the chemical industry, transport of dangerous goods, gas pipelines, biological production... We have to take care of people and economy, not to allow to be damaged by the industrial accidents. There are many possible causes of various disasters and we cannot decrease the risk to the minimum.

So the proper answer to this is to build the preparedness to a potential crisis situation. We may model the probable consequences of such a disaster and plan for the activities necessary to minimize the loss.

In the course there will be presented a range of possibilities to model various situations with special focus to the man-made disasters caused by terrorist attacks.