

MODELING AND SIMULATION – FUNDAMENTAL ELEMENTS OF CONDUCTING MILITARY ACTIONS

Lieutenant-General Professor Teodor FRUNZETI, PhD
Commandant (rector) of “Carol I” National Defense University

“A rational man adapts to the world around him; the irrational man keeps on trying to adapt the world around him to himself. The consequence is that all progress depends on the irrational one.”

*“MAN AND SUPERMAN”,
George Bernard Shaw, 1903*

The global security environment essential changes, the modern battle content and physiognomy, the tactical echelons’ new functional structure and their role in current conflicts and also in the future battlefield determine major transformations at all levels. The new military conflicts generate changes in military art, doctrines, organization, and training. With technology as a common element, all these changes are meant to improve the connection between man and technology given the digitization of the battlefield, with the fundamental goal of a potential successful conflict.

While the ongoing multifunctional and structural improvement of different echelons is a reality, while flexibility, maneuverability, high degree of action, adaptability and ability to act jointly are the current requirements of most modern army structures, while, in order to face the 21st century new challenges, NATO’s transformation is a reality, we can easily perceive the modern armies’ permanent