

## **Simulation of Rogue Waves**

R.V. Shamin

Institute of Marine Geology & Geophysics FEB RAS, Yuzhno-Sakhalinsk, Russia  
e-mail address: roman@shamin.ru

Our talk is devoted to rogue waves. The rogue waves are unexpected waves with the huge amplitude (up to 30 meters). This event is momentary and, therefore, it is difficult to locate this event. However, for latter 30 years, we have received established facts on these waves. Unfortunately, meetings with these waves lead to serious human sacrifices and material losses.

In our model there are rogue waves with certain frequency. As a result of a considerable quantity of experiments we have constructed estimation for probability of rogue waves. In our model there are rogue waves with certain frequency. As a result of a considerable quantity of experiments we have constructed estimation for probability of rogue waves.