

Earth: The Beginning

Tijana Prodanović

*Department of Physics, Faculty of Science, University of Novi Sad,
Trg Dositeja Obradovica 4, 21000 Novi Sad, Serbia*

Some of the processes which still shape the surface of our planet and add to the wealth of our geoh heritage were also important in the initial stage of formation of the Earth. Thus, in this lecture, and astrophysical overview of the current accepted models of the Solar System and Earth formation will be presented. How did the Solar System come to be? Why is the Earth so similar to the inner planets like Venus and Mercury, and so different from the outer ones like Jupiter and Saturn? Where did the Earth's life sustaining water and atmosphere come from? Why are we so special and what plan does the Universe have for us? These are just some of the questions that will be discussed in this lecture. Special emphasis will be placed on the still relevant processes such as meteor exposure, volcanic activity etc.

Corresponding author: prodanvc@df.uns.ac.rs