

Tumnanosat

Nanosatellite and Kibocube Program

Viorel BOSTAN

Technical University of Moldova, National Center Space
Technologies, Chisinau, Rep. of Moldova

Nicolae SECRIERU

Technical University of Moldova, National Center Space
Technologies, Chisinau, Rep. of Moldova

Valentin ILCO

Technical University of Moldova, National Center Space
Technologies, Chisinau, Rep. of Moldova

Vladimir MELNIC

Technical University of Moldova, National Center Space
Technologies, Chisinau, Rep. of Moldova

Alexei MARTINIUC

Technical University of Moldova, National Center Space
Technologies, Chisinau, Rep. of Moldova

Vlad VARZARU

Technical University of Moldova, National Center Space
Technologies, Chisinau, Rep. of Moldova

Abstract:

This paper presents a brief overview of the first Moldavian satellite – TUMnanoSAT designed at the Technical University of Moldova Space Technology Center, included in KiboCube Program. In the paper are described educational missions of this nanosatellite and overall system overview, including: structure, electrical power supply, processing and data management and telemetry communications.