

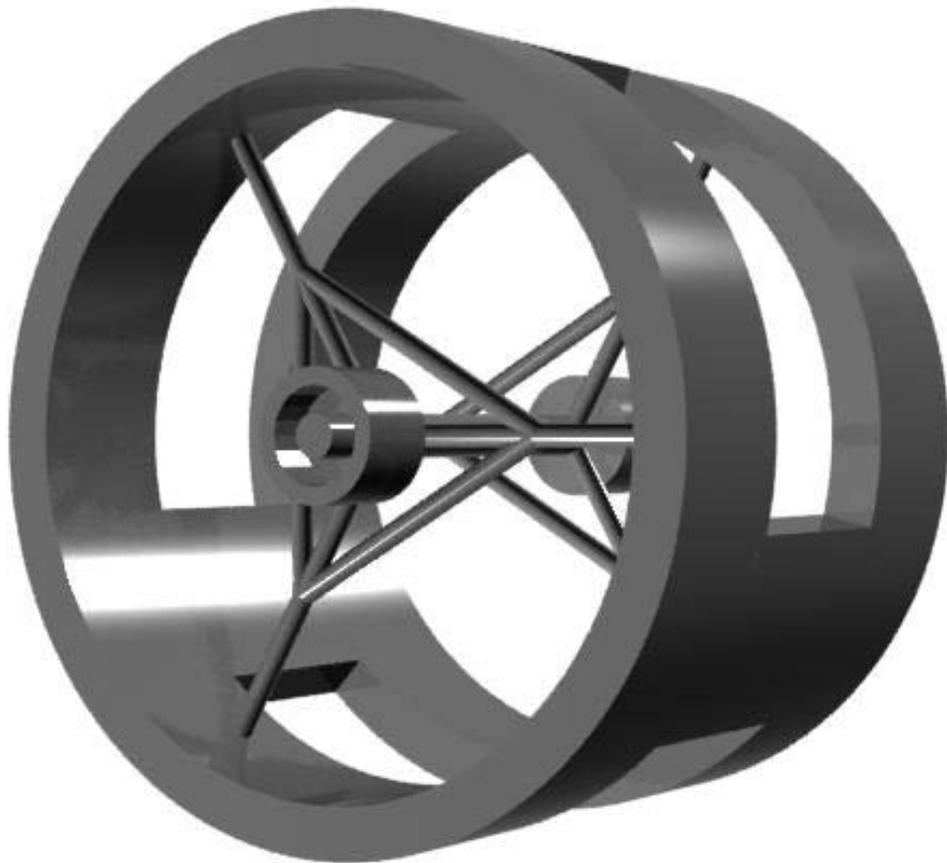


NASA Ames Research Center
Student Space Settlement Contest



INTERNATIONAL SPACE COLONY

HEMUS



2009
BULGARIA

Submission by:

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Yulker Mechmed
Rosen Haralanov
Bistra Koleva**

Large team (11 students)

11th grade

Mathematical High School

Language High School

**Professional School for architecture, building and
geodesy**

Varna, Bulgaria

**Under the supervision of: Dr Veselka Radeva
Astronomical observatory and planetarium, Varna**

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Denitsa Saynova

← **Diana Sofronieva**

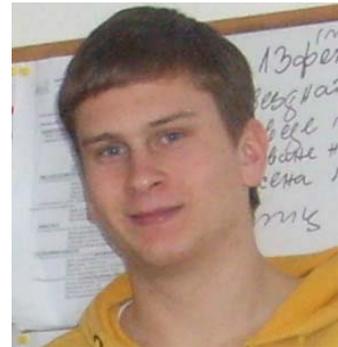


→
Velizar Velkov



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Anna Milenkova

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Ivailo Dimitrov



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Rosen Haralanov
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Introduction

Imagine a cave where people can't see the world outside where different objects and creatures are moving lighted by the sun. The only thing that reaches them are the shadows cast on the cave's walls. Now imagine that a person breaks free and goes outside. What would his excitement be from the new, bright world full with mysteries and adventures. That's the world we want to discover, the world we want to be a part of.

This is why we want to build this colony – to expand our sight of the world, discover new opportunities and see our home from a distance, so that we could understand it and learn to appreciate it.

We are a group of students of Varna from three different schools. We are united by our interest in astronomy and our aspiration to find and fulfill new ideas and plans. This is why the project of creating a colony in space inspired us. We believe that through our attempts to solve the countless problems connected with the building and maintenance of the space city and challenging our imagination we will see into the future and get a glimpse at the inevitable human progress. This is the reason the creation of a new society and a new world is so exiting and inspiring for us. The building of a colony in space requires knowledge in all aspects of science. This is a challenge that is worth the effort because it's in the name of the common good. The profits for all people from the fulfillment of such a project are countless: creating a new habitat at the location we choose, providing dependable life support systems, bases for the construction of space equipment, extraction of raw materials from the asteroid belt, help in the solving of Earth's energetic and ecological problems, a suitable place for experiments, whose conduction would be difficult or impossible on our planet. We are sure that this is the way to a better and more profound acquaintance to the Universe.

Our goal with this project was to find new things, to share ideas and look for solutions of problems with the general idea of trying to see a part of humanities future.

To go out of the cave and head for the shiny exiting world of the future.

