

SPACE EDUCATION AND OUTREACH SYMPOSIUM (E1)
Education Outreach (3)

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SUMMER SPACE SCHOOLS IN SAMARA AS THE EFFECTIVE FORM OF INTERNATIONAL
EDUCATIONAL SPACE PROJECTS REALIZATION: OUTCOMES OF FIVE YEARS ACTIVITY
AND PROSPECTS

Abstract

Now in Russia and in other countries lowering interest of youth to obtaining derivation and the subsequent operation in the field of space-rocket engineering now is observed. It is necessary to search purposefully for new forms of engaging of youth in cosmonautics. Organization of international space schools is one perspective variant of such activity. In their frames young people can hear lectures of famous scientists and specialists on actual questions of space engineering, to work above joint projects, to exchange the ideas and the obtained results. Positive example of implementation of these ideas is carrying out of summer space schools Future space technologies and experiments in space on the basis of the Samara State Aerospace University, State Research-Production Rocket Space Centre "TsSKB-Progress", Volga region branch of the Russian Academy of Cosmonautics. Since 2003 Russian-European summer space schools have been carried out with participation of students from 15 universities of Netherlands, France, Spain, Italy, Greece, Germany, Sweden, Finland, Poland, and the Great Britain. From the Russian side were taken part students from leading Russian aerospace universities (<http://www.volgaspaceschool.ru>). The main aim of School was engaging youth (students, post-graduate students) to involvement in setting and realization of experiments in space, new fundamental knowledge directed on obtaining and improvement of technologies which can find applied application. Implementation of such experiments can be done on microgravitational space platforms of type Foton/Bion which are designed and manufactured in Samara. In the program of School have been included lectures, seminars usage of laboratory base of SSAU, presentations of perspective space projects and programs, mini-conferences of participants of School, round tables, dedicating on problems of space education and involvement of youth in space researches. Within the framework of Schools participants jointly worked above space projects, in particular above project YES2 which is initiated by European Space Agency and Delta-Utec firm. In the report the outcomes of five years activity are observed and new frame of this schools is discussed.