Рус. Версия http://atrp.tv/calendar/ii-nauchno-tehnicheskij-konkurs-pervyj-shag

**THE TASK**

**to the All-Russian Youth**

**scientific and technical competition of developments in the field of film production,**

**Broadcasting and Telecommunications “Pervyi Shag” (“The First Step”)**

The competition accepts completed scientific and practical work in the following thematic areas.

**1. Simulation models, systems and devices of telecommunications. Implementation of media content transfer methods**

1.1. Development of models, systems and devices for delivering media content via wired or wireless communication channels in linear or non-linear mode.

1.2. Creation of methods for using publicly available (budget) channels of cellular communication operators and Internet access providers as transport media.

1.3. Development of methods for reducing losses, delays and degradations in the quality of media content.

1.4. Development of methods to reduce the amount of information transmitted without compromising its quality indicators.

**2. Simulation models, systems and devices of film, television and radio production. Implementation of methods for the formation, processing and display of media tent**

2.1. Development of new or improvement of existing methods for the formation, processing and display of media content.

2.2. Development of systems and devices for processing video and audio signals.

2.3. Development of methods for storing media information.

2.4. Development of new and improvement of existing automation systems for film, television and radio production.

2.5. Development and improvement of subscriber equipment for displaying media information.