

# **2004 TAIWAN INTERNATIONAL SCIENCE FAIR**

**CATEGORY : Physics**

**PROJECT : Reduction fuel's amount when  
working the Internal-combustion  
engine**

**SCHOOL : Mei Gymnasia**

**FINALISTS : Ivan Semenov**

**COUNTRY : Russian Federation**

Category: Engineering

Title: Reduction fuel's amount when working the internal-combustion engine

Name: Ivan Semenov

Country: Russia

### Abstract

The aim of the work is inventing the way in which the power of the ICE is the same and consuming of the fuel decreases.

The following methods of investigation were used: analysis of the experience of the improvement of ICE, modeling, the brainstorming, methods of Decision Theory of Invention's Tasks (DTIT).

In this work Ivan Semyonov based on a hypothesis that if the non-supporting combustion exhausts will be drawn with the vacuum from cylinder fuel for the same power it needed less.

The practical meaning of this work is in the attempt of studying the question of improving the ICE for getting and making the more perfect ICE.