

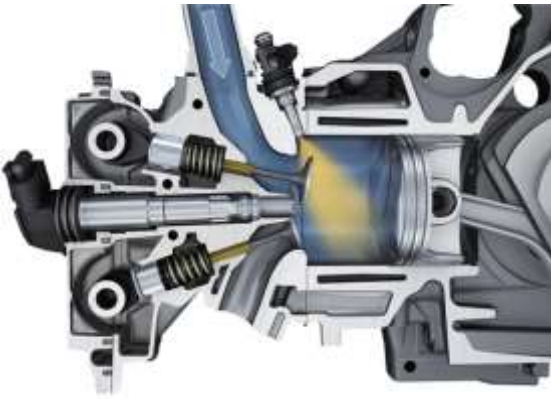
# Internal Combustion Engines





## Areas of studying:

- Internal combustion engines
- Exploitation, diagnostics and organization of repair of internal combustion engines



# What do we teach?

1. Design engines
2. Service and repair engines
3. Engage in tuning engines and car systems
4. Study of modern electronic control systems
5. Research and development of engines and cars
6. 3D solid modeling
7. Confident work at the computer

# Employment perspectives:



- Enterprises producing power plants for transport
- Firms engaged in maintenance and repair of engines and cars
- Engineers-constructors in the field of mechanical engineering
- Companies selling vehicles and engines
- Engine tuning companies

# General academic disciplines for the students of our department (bachelor's level)

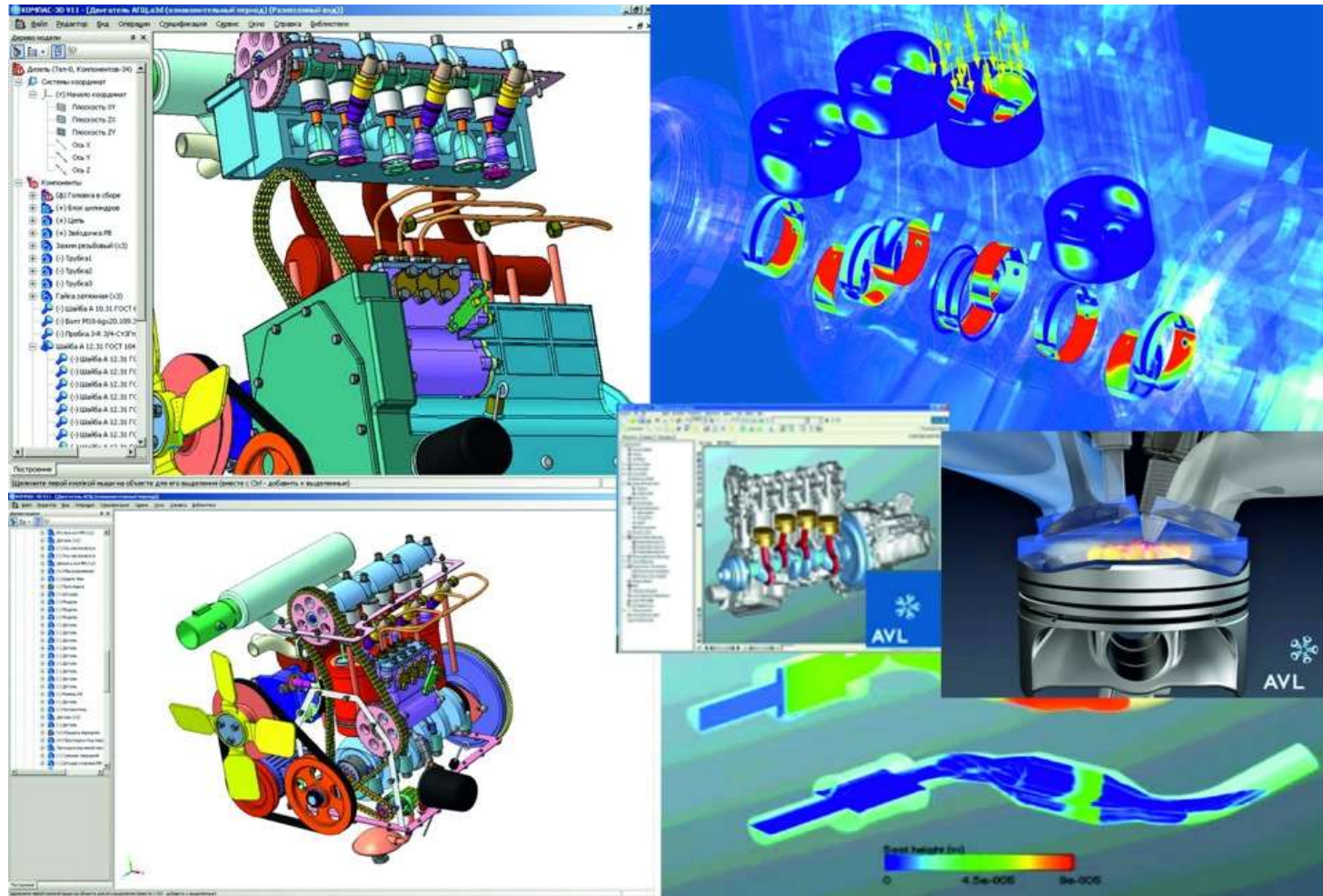
- **Computer science**
- **Theory of internal combustion engines**
- **Information technology and CAD ICE**
- **Technology of manufacturing internal combustion engines**
- **Test ICE**
- **Automatic control of internal combustion engine**
- **ICE Systems**
- **Design and dynamics of internal combustion engines**
- **Fuels, oils and coolants**
- **Gas dynamics and supercharging engines ICE**

## General academic disciplines for the students of our department (master's level)

- **Automation of scientific research**
- **New information technologies in automated systems**
- **Management of organizations for repair and maintenance of ICE**
- **Modern control systems for internal combustion engines**
- **Development of internal combustion engines**
- **Patenting of inventions**
- **Modern problems of mathematical and computer modeling**
- **Forecasting resource durability**



# Modern software packages



# Our practice bases (Kharkov):



- Range Rover
- Volkswagen
- Lexus
- Jaguar
- Volvo
- Skoda
- Fiat
- Chevrolet
- Daewoo
- ATL Autoservice
- MasterService
- Bosch Service
- KP "KhKBD"



# International cooperation:

- Poland
- Germany
- South Korea
- Lithuania
- China
- USA





## Our contacts:

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