

## **Department „Mechanical Engineering and Energetics"**

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Department „Mechanical Engineering and Energetics", provides training of students of the specialties "Motor transport and agricultural machinery" and "Textile Machinery and Technologies" from professional field of "Mechanical Engineering". Academic staff of the department has 19 teachers, of which 10 professors and 9 assistant professors.

### **The main areas on which work in the department are:**

1. Optimal management of agricultural tractor units;
2. Fuel economy of agricultural tractors;
3. Alternative fuels and oils;
4. Machinery for cultivation, sowing and harvesting;
5. Maintenance, diagnosis and repair of agricultural machinery;
6. Fashion and clothing design;

7. Design apparel CAD systems;

8. Design and technology of clothing.

The Department supports business and creative contacts with similar institutes and companies at home and abroad.

With the existing facilities, information insurance on courses and its staff potential, the Department „MECHANICAL ENGINEERING AND ENERGETICS" meet the modern requirements and conduct study on high level.

**Head of Department „Mechanical Engineering and Energetics"**

**Assoc.Prof.PhD Ilia Ginkov**

Phone: +35946669181; e-mail: ilginkov[at]mail.bg

**Department coordinator: Irina Georgieva**

**Teaching staff:**

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Assoc.Prof.PhD Krasimira Georgieva – Dean  
Publications

room 233

[CV](#)

e-mail: krg Georgieva[at]ftt.uni-sz.bg

Area of scientific interests: Applied Geometry and Engineering Graphics, Engines, Agricultural  
and irrigation  
machines,  
Automated  
Information Processing and  
Management (in  
sectors)  
;  
Podplastova  
drilling  
, construction and  
experimentation  
combined  
agricultural machinery  
,  
automation  
systems  
for diagnosing  
diseases  
vineyards  
, Fermentation  
processes,  
systems with  
variable

structure  
modeling  
and management

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Assoc.Prof.PhD Ilia Ginkov Iliev  
ons

room 128

CV

Publicati

e-mail: ilginkov[at]mail.bg

Area of scientific interests: internal combustion engines, tractors, cars, fuel economy

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Prof.PhD Georgi Asenov Tasev  
Publications

room 227

CV

Area of scientific interests: Research and statistical analysis

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Assoc.Prof.PhD Galia Dolapchieva

room 319

[CV](#)

Publications

e-mail: gdolapchieva[at]abv.bg

Area of scientific interests: Design and manufacture of clothing. Design of production lines

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Assoc.Prof.PhD Stancho Stanchev ons	room 238	CV	Publicati
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e-mail: stan4ev\_49[at]abv.bg

Area of scientific interests: Transport equipment and technical expertise

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Assoc.Prof.PhD Zlatinka Kazlacheva Publications	room 110	CV
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e-mail: z\_kazlacheva[at]abv.bg

Area of scientific interests: Fashion design, construction and modeling clothing - improved design methodologies and CAD design

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Assoc.Prof.PhD Mitko Stoianov  
Publications

room 126      [CV](#)

e-mail: mitko\_1166[at]mail.bg

Area of scientific interests: Internal Combustion Engines, Car operational materials, repair and diagnostics of cars

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Assoc.Prof.PhD Neli Georgieva  
Publications

room 227      [CV](#)

e-mail: ngeorgieva[at]tk.uni-sz.bg

Area of scientific interests: Combined treatment of hydraulic openings, Manufacturing Technology

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Assoc.Prof.PhD Ivan Lazarov  
Publications

room 315 CV

e-mail: isl51[at]abv.bg

Area of scientific interests:

"Technical Safety", "Risk assessment for safety and health", • "Mechanical and Precision Engineering repair of machinery", "Maintenance and

;

"  
Heat and  
gas

", "Industrial  
Ventilation"

;

"  
Automation of  
technological processes

"  
"entrepreneurship and Management

"

;

"  
Mechatronics

"

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Assoc.Prof.PhD Rashko Ivanov

room 227 CV

Publications

Area of scientific interests: Heating and ventilation in livestock, saving energy in agriculture

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Assist.Prof. Diana Balabanova  
Publications

room 110 CV

e-mail: [dir\\_balabanova\[at\]abv.bg](mailto:dir_balabanova[at]abv.bg)

Area of scientific interests: Investigation of mechanisms to move the needle of the sewing machine, wing machinery, knitting, designing and modeling clothing

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Assist.Prof. Georgi Georgiev  
Publications

room 130 CV

e-mail: [hettrik\[at\]mail.bg](mailto:hettrik[at]mail.bg)



Area of scientific interests: Traffic Safety

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Assist.Prof. Petar Kazakov  
Publications

room 125      CV

e-mail: peter\_yb[at]abv.bg

Area of scientific interests: Internal Combustion Engines, Fuels and oils

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Assist.Prof. Katia Byuzyukeva  
Publications

room 319      CV

e-mail: katia\_bu[at]abv.bg

Area of scientific interests: Technology of clothing

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Assist.Prof. Stati Naidenov  
Publications

room 419 CV

Area of scientific interests: technical Safety

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Assist.Prof. Petar Michalev

CV Publications

e-mail: [pe6entseto\[at\]abv.bg](mailto:pe6entseto[at]abv.bg)

Area of scientific interests: Machinery for tillage, sowing and harvesting, diagnostics and maintenance of machines

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Assist.Prof. Krasimir Georgiev  
Publications

room 128 CV

e-mail: [krasimir\\_georgiev\\_2\[at\]abv.bg](mailto:krasimir_georgiev_2[at]abv.bg)

Area of scientific interests: technical sciences, traffic safety, traffic organization

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Assist.Prof. Tanya Dimitrova  
Publications

room 227 CV

e-mail: [tanyadimitr\[at\]abv.bg](mailto:tanyadimitr[at]abv.bg)

Area of scientific interests: Modeling and analysis of combustion processes

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Assist.Prof. Ivan Binev

room 227 CV Publications

e-mail: [ibbinev\[at\]abv.bg](mailto:ibbinev[at]abv.bg)

Area of scientific interests: Heat and gas

Assist.Prof. Julieta Ilieva

room 110

CV

Publications

e-mail: [j.g.ilieva\[at\]gmail.com](mailto:j.g.ilieva[at]gmail.com)

Area of scientific interests: Modeling and design of clothing

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Assist.Prof. Georgi Kolev Georgiev  
Publications

room

[CV](#)

e-mail:

Area of scientific interests:

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Assist.Prof. Nevena Ivanova

room

[CV](#)

Publications

e-mail:

Area of scientific interests:

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