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# Announcement

## International Trade and Industry Fair

November 16 – 18, 2021

Karachi, Pakistan

### About

The International Trade and Industry Fair is the largest exhibition event in the region to showcase machinery and equipment. Traditionally, the event gathers more than 300 participants and 25000 visitors.

### Main sections:

Auto Transport & Logistic – cars and trucks, passenger transport, special equipment, auto parts, vehicle components, lubricants, car accessories, logistics services, etc.;

Agriculture Tech – agricultural machinery and equipment;

Engineering – machine tools, welding equipment, hydraulics and pneumatics, electrical equipment and electronics, loading and unloading equipment, consumer electronics, etc.;

Power & Alternative Energy – energy, new energy sources, energy-saving technologies and equipment, etc.;

Oil & Gas – technologies, equipment and machinery in the petrochemical and gas industry;

Construction – construction materials, technologies and equipment;

Minerals & Metals – equipment and services for the metallurgical and mining industries, etc.

BSUIR will showcase high-tech developments

## 1. Manufacturing technology of energy-saving flat and flexible aluminum heaters with a carbon fiber resistive element

The technology allows you to produce flat and flexible heating elements with any surface shape. This is important in the automotive industry to create comfortable conditions in the cabin and heating the fuel cells of the engine, in electric vehicles for heating lithium-ion batteries at low air temperature, as well as for molds in industry and in the military sector.

The use of carbon filament ensures high stability of the electric characteristics of the heater and its reliability under constant heating-cooling thermal cycles during operation.

### Benefits:

- adjustable electrical resistance in the range from 60 to 800 Ohm/m;
- maximum operating temperature up to 400єC;
- aluminum base;
- carbon filament heating tape;
- ultra-thin shape;
- low heat loss.

## 2. Technology for producing optically selective composite absorbing coatings for solar collectors

The technology makes it possible to obtain composite highly selective absorbing coatings in the composition of anodic aluminum oxide/amorphous carbon. The coatings are evenly colored and wear-resistant.

### Benefits:

- resistance to ionizing radiation;
- high corrosion, thermal and light resistance;
- high electrical insulation properties;
- environmentally safe process to form electrochemical coating.

More on technologies

Official website

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