



ORGANIZATION PROFILE

SCIENTIFIC-TECHNICAL UNION OF MECHANICAL ENGINEERING

1. LEGAL STATUS

The Scientific-Technical Union of Mechanical Engineering (STUME) is an independent, non-profit organization, registered for private benefit according to the Law for juridical, non-profit persons.

The STUME was founded as a mechanical engineering section of the Bulgarian Engineering Architectural Society in December 1933. It has been a juridical person since March 20, 1966 and was re-registered through the court in 2000.

Individual members as per 27th April 2007: 408 scientists and specialists from the Bulgarian Academy of Sciences, the Bulgarian technical universities and from the Bulgarian industry

2. ORGANIZATIONAL STRUCTURE

2.1. National Scientific-Technical Societies, which are no legal persons:

- Agency for Supporting Innovations in the Industry
- Automation of Discrete Production Society;
- Automation of Engineering Work Society;
- Bulgarian Society of Hoisting Technique and Logistics;
- Bulgarian Society of Non-Destructive Testing;
- Flaw Detection Society;
- Gear Transmissions and Driving Society;
- Management and Engineering Society
- Metal Science and Heat Treatment Society
- Machinery and Equipment maintenance;
- National Scientific-Technical Club of Tractor Technique and Truck Engineering;
- National Society of Internal Combustion Engines;
- Physical Metallurgy and Heat Treatment Society;
- Plastic Deformation Society;
- Plastics in Mechanical Engineering Society;
- Society of Foundry;
- Society of Metal-Cutting Machines;
- Society of Powder Metallurgy and Composite Materials;
- Society of Shaping;
- Society of Theory of Machines and Mechanisms;
- Technological Equipment Society;
- Women in Industry Club.

2.2. National Scientific-Technical Societies, which are legal persons:

- National Scientific-Technical Society of Fault detection;
- Bulgarian Society of Tribology;
- Bulgarian Welding Society;
- Bulgarian Society of Robotics;

- Social Interdisciplinary Academy

2.3. Territorial organizations in the towns of:

- Blagoevgrad, Burgas, Veliko Tarnovo, Gabrovo, Lovech, Pernik, Pazadzhik, Plovdiv, Pleven, Razgrad, Ruse, Sliven, Stara Zagora, Karlovo, Kazanlak

3. MISSION

STUME is a sustainable developing organization, which supports the industrial development of Republic of Bulgaria while protecting and representing the professional, intellectual and social interests of its members.

4. OBJECTIVES

- To be a consolidated, well functioning organization, which works for the benefit of its members;
- To have a substantial role in the society;
- To promote scientific inventions and innovations by organizing international and national events;
- To render support to industry by supplying information and innovations;
- To organize trainings for improvement of the science-technical specialists' qualification;
- To act as an innovations agent.

5. ACTIVITIES

5.1. Scientific-technical events

Year	Scientific-technical events organized		Participants		Papers presented	
	Total	Among those internationally presented	Total	Including foreigners	Total	Including foreign
2003	16	7	1602	96	753	156
2004	8	5	689	94	940	279
2005	8	6	820	127	708	199
2006	15	8	1141	98	694	153
2007	15	7	1141	98	694	154
Total	62	33	5393	513	3789	941

The most significant events in the period 2003 to 2007 are as follows:

- 5.1.1. The traditional International Congress "Mechanical Engineering Technologies" (MT), which is carried out every 2 years starting from 1999;
- 5.1.2. International conference "Power Transmissions" ordered by the Balkan Power Transmissions Association and organized in 2003;
- 5.1.3. Annual scientific-technical events
 - International Conference "trans&MOTAUTO";

- International Industrial Conference “Machines, Technologies, Materials – Innovations for the industry”;
- Scientific-Technical Conference with international participation “Flaw Detection”;
- International Conference “Automation of Discrete Production”;
- International Conference “Management and Engineering”
- International Tribology Conference;
- National Scientific-Technical Conference “Foundry”;
- National scientific-technical conference with international participation “Robotics and Mechatronics”
- National conference with international participation “BULTRIB”
- Scientific-technical session “Contact”.

In 2007 the annually carried out National Practical Conference “Welding” was restored. An International Youth Conference “Technical Sciences and Management” was organized for a first time.

5.2. Annually carried out events “Days of the Mechanical Engineering Science and Practice” and STUME Conferences on Problems of the Present Day Concerning Machines, Technologies and the Appropriate Infrastructure for them

- 5.2.1. Consideration for the support rendered by STUME structures to managers and specialists from the private sector;
- 5.2.2. Consideration to the development of STUME as a part of the European scientific-technical structures and carrying out its activities according to the aims, tasks and esteems of the European engineering organizations;
- 5.2.3. High technologies application (PHYSICAL HIGH TECH) in materials and machinery production;
- 5.2.4. Background of the Bulgarian mechanical engineering sector, opportunities for its development and potentialities for implementation of new technologies in the industry;
- 5.2.5. National Conference “Innovations in the Field of Machinery and Technologies – State of the Art and Prospects”
- 5.2.6. National Conference “The Science in Bulgaria”, part “Mechanical Engineering”

5.3. Professional qualification

STUME has licensed by the State agency of professional education, teaching structure which belongs to the Teaching centre for professional education of the Federation of Scientific-Technical Unions. It carries out teaching activities in the field of putting into practice the industrial technologies, the management, the quality control systems (ISO 9000) and the systems for environment observing (ISO 1400).

5.4. Supporting the Bulgarian Industry

- Annual organizing of a stand of the Bulgarian science and innovations at the International Technical Fair in Plovdiv
- Organizing of delegations for visiting international fairs, congresses and exhibitions in Europe, Asia and America

For the period of time 1998 – 2002 have been organized 136 delegations with 2252 participants

- Annual organizing of a stand of Bulgarian machine building companies at the International Subcontracting Fairs – Z 2001, Z2002 and Z2003 in Leipzig, Germany
- Consulting of small and middle-sized enterprises for their participation with projects in V and VI Framework Programs of European Union
- To accomplish technical expertise of enterprises;
- To support the contacts between Bulgarian and foreign companies
- To organize training courses for safe and healthy working conditions, for management of small companies and for applying of ISO 9000, ISO 14000 and ISO 18000.

5.5. Publishing

- “ANNOUNCE of STUME”
- “SCIENTIFIC ANNOUNCES of STUME” (ISSN 13-10-3946) with 114783 pages published in 2002.
- Publisher of theInternational virtual journal for science,tehcnics and innovations for the Industri “MASCHINARY,TEHNOLOGIENS, MATERIALS”
- Bulletin “Flaw Detection” – 4 times a year

5. MEMBERSHIP:

- 5.1.Member-establisher of the Federation of Scientific-Technical Unions in Bulgaria (FSTU)
- 5.2.International Institute of Welding (IIW) by Bulgarian Welding Society
- 5.3.International Committee of Non-Destructive Testing (ICNDT) by Bulgarian Society of Non-Destructive Testing
- 5.4.European Committee of Non-Destructive Testing (ECNDT) by Bulgarian Society of Non-Destructive Testing

6. LEADERSHIP

President: Prof. Georgi Popov

General Secretary: M.Sc.. Damian Veselinov Damianov