PRIKAZI REVIEW

THE FOURTH SCIENTIFIC CONFERENCE "HIGHER EDUCATION AND EFECTIVE BUSINESS MANAGEMENT – CHALLENGES OF SUSTAINABLE REGIONAL DEVELOPMENT"

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FIELD: Chemical Technology, Materials, Management VRSTA ČLANKA: Conference report

Abstract:

The First Scientific Conference "Higher Education and effective business management- challenges of sustainable regional development" was held on 20-21 December, 2006, in Uzice, Republic of Serbia. More than 90 papers were presented. The number of authors and coauthors was 150.

The Second Scientific Conference "Economy development and effective business management - challenges of sustainable regional development" - was held upon the initiative of the management of the High Business Technical School of Uzice on the occasion of its 30th anniversary It was held on 21-22 January 2007, in Uzice, Republic of Serbia. Eighty papers were presented at the Conference. The number of authors and coauthors was 140. (ne slazu se brojevi s rezimeom na srpskom).

After that, the management of the High Business Technical School of Uzice decided, for the first time, to organize an International Conference.

The first International Conference "Science and Higher Education in Function of Sustainable Development". SED 2008 was held on 17–18 September, 2008, in Užice, Serbia. Ninety papers were presented on the Conference. The number of authors and coauthors was 150.

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The second International Conference "Science and Higher Education in Function of Sustainable Development". SED 2009 was held on 14-15 September 2009, in Užice, Serbia. More than 80 papers were presented. The number of authors and co-authors exceeded 100.

Key words: Academic conferences, Business Management, Higher Education and Sustainable Development.

The third international SED conference was held on 8 and 9 October, 2010 [1]. The considered topics at this conference:

- Research and development of manufacturing systems, tools and technologies, new materials and product design;
 - Maintenance and effectiveness of technical systems;
- Quality management, ISO 9000, ISO 14000, TQM and management in mechanical engineering;
 - Information Technologies application;
 - Application of mechanical engineering in other industrial fields;
 - Management;
 - Tourism;
 - Environmental protection;
 - Civil engineering
 - Business economy

The fourth scientific conference "Higher Education and effective business management- challenges of sustainable regional development", was held on 7 and 8 October, 2011 in Uzice. 145 scientific papers were presented with a participation of 243 authors and coathors.

Plenary lectures at the SED 2011 [2]:

1. Radivoje Mitrović, Strategy of higher education development, State Secretary in the Ministry of Education and Science of the Republic of Serbia

Strategy of higher education development in Serbia was presented. The most important problems regarding the relation between higher education and industrial development were critically considered. A proposed strategy of higher education development in Serbia was compared with those from other countries.

2. Srecko Stopić, Jelena Bogović, Albrecht Schwinger, Bernd Friedrich, Nanotechnology in modern life and environmental protection, IME Process Metallurgy and Metal Recycling, RWTH Aachen University, Aachen, Germany

Nano- (symbol n) is derived from the Greek meaning dwarf. This in the denotes a factor of 10⁻⁹. Nanostructured materials have shown an explosion of scientific and industrial interest over the last few decades worldwide. These unique materials are distinguished from conventional polycrystalline materials by their fine crystallite sizes. The nomenclature for the synthesis of nanoparticles by spray pyrolysis is very different in literature: solution aerosol thermolysis, evaporative decomposition of solutions,

ultrasonic spray decomposition, mist decomposition, spray roasting, chemical reactions with aerosols, plasma vaporizations of solutions, aerosol decomposition, spray hydrolysis. As a relatively inexpensive and quite versatile technique, spray pyrolysis is a promising aerosol process to produce fine metallic, oxidic, composite nanoparticles of a precisely controlled morphology and defined chemical compositions from water solution using different metal salts and their mixtures. Nanoparticles occur as dust in the air, as suspended particles that make river water slightly murky, in soil, in volcanic ash, in our bodies, and in different technological applications such as medicine, microelectronics, automobile industry, and catalysis.

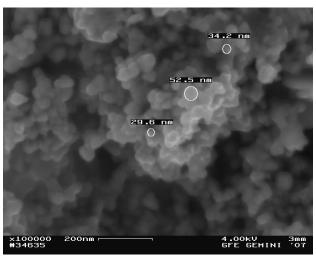


Fig. 1 – Copper nanoparticles produced by ultrasonic spray pyrolysis [3] Slika 1 – Nanočestice bakra proizvedena ultrazvučnim raspršivanjem [3]

3. Dragić Banković, Boolean equations and boolean inequations, Faculty of Science, Kragujevac, Serbia

In this paper the main results from the fields of Boolean equations f(X) = 0 and Boolean inequations $g(X) \neq 0$ were presented. Some new results from the generalized systems of equations were described in detail. Boolean equations have been studied from the end of the nineteenth century till today. A great contribution to the field of Boolean equation was given by Löwenheim in particular. There are various forms of the solutions of Boolean equations. The basic facts of Boolean equations and their solutions can be found in Rudeanu's book. Many problems of optimization in databases are reduced to the solution of systems consisting of Boolean equations and Boolean inequations. When we refer to a system of equations of any kind, we understand that these equations are linked by conjunction. The idea of a generalized system of equations is to link these equations by any logical operation, not merely a conjunction.

4. Srdjan Nikezic, Milutin Matic, Leadership, management, ethical and social responsibility.

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Abstract: The development, theoretical and practical, of the ideas of social responsibility and management of leaders, especially after the Second World War, of great consequence. The consequences of war, destruction and irresponsibility that have influenced the politics ii confidence to overcome the economic environment in which business organizations cannot tolerate the abuse of power and their dishonesty and the public asked for a change of this situation. The economy in the world was in a prosperous stage and it was thought that the social responsibility of leaders and management in the companies would bring significant benefits. Social responsibility is not waste of resources or investments for the sake of some political correctness. In the countries with developed market economies, social responsibility is increasingly becoming a factor and the decision of consumers opting for a particular product. Thus, a socially responsible company acquires a comparative advantage over the competition. Consumers are genuinely interested in how leaders and company management treat them, the environment and society in general.

Roundtable discussion of the Mechanical Engineering Section on the subject of Mechanical Engineering and Higher Education – challenges of 21st century

The following companies: Inmold and Termorad (Pozega); Corun, Namenska, Woksal, Sinter, Feropromet & Biznis Inkubator (Uzice); Bugi enterijeri (Sevojno), Proleter (Arilje) participated at this panel discussion regarding mechanical engineering. Prof. Radivoje Mitrovic, State Secretary in the Ministry of Education and Science of the Republic of Serbia opened this disussion. The products of the previously mentioned companies were exhibited during the conference.

The most important conclusions from this session are:

- Creation of an association of small companies linked with mechanical engineering
 - Formation of a database for services in mechanical engineering
 - Common investment in higher education development.
 - Research fellowships for most perspective students
 - Fast employment for the best students
- Better connection between small companies and higher education organizations leading to future cooperation
 - Better training courses in small companies



Figure 2 - Roundtable discussion of the Mechanical Engineering Section Slika 2 - Okrugli sto na sekciji Mašinstva

A roundtable discussion of the Civil Engineering and Architecture Section, on the subject: Partisan square - past, present and future was also held on the first day. The discussion of the Tourism Section concerning the sustainable development of rural tourism in Western Serbia was held on the second day.

The Coference ended with a successfully organized visit to Mokra Gora.

Scientific work at the Conference

At this conference, 166 scientific papers were sent to the Scientific Committee. Four plenary lectures were given. The papers were presented in the following sections:

- Mechanical Enginnering 17,
- Information Technology and Mathematics 20,
- Civil Engineering and Arhitecture 10,
- Environmental Protection 21,
- Management 32,Tourism and Economy 35,
- Safety and Health 10,
- Student Papers (professor-supervisor) 17.

The number of international papers amounted to 13.

The authors from abroad came from 11 countries: Austria, Germany, Bosnia and Herzegovina, France, Slovenia, Slovak Republic, Poland, Montenegro, Former Yugoslav Republic of Macedonia, the United Kingdom and the United States.

The 5th SED Conference 2012

The fifth SED Conference 2012 will be held on 4 and 5 October, 2012, at the, Serbia.

The Conference will gather representatives of science, State, society, economy, media and others involved in science and higher education development through various activities, especially in the higher education promotion in the Zlatibor district.

General topics will be considered similarly to the previous conference: Bearing in mind that sustainable social and economic development requires contemporary knowledge, the SED Conference will include scientific papers in eight program areas:

- Mechanical Engineering
- Information Technology and Mathematics
- Civil Engineering
- Environmental Protection
- Management
- Tourism and Economy
- Safety and Health at Work
- Student Papers

Special sessions are planned. A special roundtable discussion will be organized within the Session for information and communication technologies in education.

The aim of the Conference is to highlight the role of science and higher education in a function of sustainable development, to promote and popularize science, to improve international scientific exchange and cooperation, as well as to strengthen the bonds between our educational institutions and other institutions of the society.

Conclusions

The fourth scientific conference "Higher Education and effective business management - Challenges of sustainable regional development", 7-8 October, 2011, SED 2011, Uzice, promoted science and improved international scientific exchange and cooperation. It also strengthened the bonds between our educational institutions and other institutions of the society. The roundtable discussion of the Mechanical Engineering Section regarding mechanical engineering and higher education – challenges of 21st century was considered as the most important one, concentrating on fast employment for the best students, a better connection between small companies and higher education organisations leading to future cooperation and better training courses in small companies. The next conference will be held on 4-5 October, 2012, in Uzice.

Literature

- [1] http://www.vpts.edu.rs/vesti/2011/maj/upis2011.html
- [2] Proceedings of 4rd International Conference "SCIENCE AND HIGHER EDUCATION IN FUNCTION OF SUSTAINABLE DEVELOPMENT" SED 2011, Uzice, Serbia, 7 –8 October 2011,
- [3] Stopic, S., Dvorak, P., Friderich, B. (2005): Synthesis of spherical nanosized copper powder, ERZMETALL World of metallurgy, 58, 4, 191-198.

ČETVRTA NAUČNA KONFERENCIJA "NAUKA I VISOKO OBRAZOVANJE U SLUŽBI ODRŽIVOG RAZVOJA – SED 2011"

OBLAST: hemijske tehnologije, materijali, menadžment VRSTA ČLANKA: prikaz

Rezime:

Prva naučna konferencija "Ekonomski razvoj i efikasno upravljanje poslovanjem – izazovi održivog regionalnog razvoja" održana je u okviru obeležavanja 30 godina rada Visoke poslovno-tehničke škole, 20. i 21. januara 2006, a na inicijativu rukovodstva škole. Predstavljeno je preko 90 radova, a učestvovalo je 150 autora i koautora.

Druga naučna konferencija "Visoko obrazovanje i efikasno upravljanje poslovanjem – izazovi održivog regionalnog razvoja" održana je 21. i 22. decembra 2007. godine u Užicu. Učestvovalo je 150 autora i koautora, a predstavljeno je više od 90 radova.

Nakon toga, rukovodstvo Visoke poslovno-tehničke škole odlučuje se da po prvi put organizuje Međunarodnu konferenciju.

Prva međunarodna konferencija "Nauka i visoko obrazovanje u funkciji održivog razvoja – SED 2008" održana je od 17. do 18. septembra 2008. godine u Užicu. Više od 150 autora i koautora predstavilo je 90 radova.

Druga međunarodna konferencija "Nauka i visoko obrazovanje u funkciji održivog razvoja – SED 2009" održana je od 14. do 15. septembra 2009. u prostorijama VPTŠ u Užicu. Učetvovalo je preko 100 autora i koautora, a predstavljeno je više od 80 radova.

Održana je od 7. do 8. oktobra 2010. u Užicu. Predstavljen je 121 rad, a učestvovalo je 195 autora i koautora.

Četvrta međunarodna konferencija "Nauka i visoko obrazovanje u funkciji održivog razvoja – SED 2011" održana je od 7. do 8. oktobra 2011. u Užicu. Predstavljeno je 145 radova, a učestvovalo je 243 autora i koautora.

Ključne reči: naučna konferencija, upravljanje poslovanjem, visoko obrazovanje i održivi razvoj.

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