

## *Report of the International Conference "MTSM 2014"*

The Croatian Society for Mechanical Engineering (HDST) from Split organized the fourth International Conference on Mechanical Engineering and Structural Materials 2014 in Split (Mechanical Technologies and Structural Materials 2014). The conference was held from 25 to 26 September 2014 at FESB in Split.

The conference co-organizers were FESB, HDMT (Croatian Society for Materials and Tribology from Zagreb), DIT (Dublin Institute of Technology - Ireland), SAS - IMMM (Slovak Academy of Science, Institute of Materials and Machine Mechanics, Bratislava), Rogante Engineering Office (Italy) and the Department of Professional Studies of the University of Split, as well as the previous years, the FESB Management has recognized the importance of holding such meetings and this time the main sponsor of the MTSM 2014 conference was FESB. The Split-Dalmatia County also recognized the importance of linking science and production, and as a sponsor, agreed to co-finance the said scientific meeting. Also, for the second time as a sponsor came the company "EVN Croatia Plin". The conference organizers are extremely grateful to the conference sponsors.

At the conference, about twenty distinguished scientists and experts from both the country and abroad have presented their works. Foreign lecturers came from: Italy, Ireland, Kazakhstan, Slovakia, Turkey and Ukraine. From our country the lecturers came from all faculties of engineering (Rijeka, Slavonski Brod, Split and Zagreb). It was especially a pleasure to listen to the expositions of young scientific novices from FESB, RITEH and DIT (Dublin Institute of Technology). These were their first lectures at a public gathering. Also on the MTSM 2014, two newly completed bachelor's degree at FESB were presented with their final papers. A special impression was made by Antonio Mijić, mag.ing.mech. who in English introduced for the first time the public, a new innovative concept of internal combustion engine, which caused extraordinary interest of the participants. Through dr.sc. Gojimir Radica FESB was involved in the AMICES project from which the idea of ing. Hrvoje Šalinović was born (a long-time design engineer in BMW Munchen). Marin Barišić, mag.ing.mech. presented its award-winning project for making and using briquettes from waste cardboard packaging. There were 22 papers in the field of overall mechanical engineering: manufacturing mechanical engineering, construction mechanical engineering and energy mechanical engineering. Like the MTSM 2013 conference, one of the sponsors is the company "EVN Croatia", which has presented its latest activity regarding the gasification of the Split-Dalmatia County.

According to the reactions of all the participants, the conference was extremely successful and gave the organizers an even greater incentive for organizing the next conferences in the coming years. Such gatherings should provide the opportunity for the exchange of experiences in direct contacts to be the basis of the future cooperation of interested scientific and research subjects, both from the Split-Dalmatia County and from abroad - especially the EU countries. Likewise, the conference is conceived as a gathering that offers younger fellow students, assistants and scholars to present their research work to domestic and foreign experts.

As in previous years, the Organizing Committee will present the best quality works from the MTSM 2014 symposium through a scientific journal "Technical Gazette".

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