

28TH HIPNEF 2002



In keeping with respect of a long tradition of this expert manifestation, which has been held since the beginning of the 1950s, this year, the Faculty of Mechanical Engineering in Nis, in collaboration with the Association of Mechanical and Electrical Engineers and Technicians of Serbia (SMEITS), organised 28th Scientific and expert meeting on hydropneumatic automatisisation and new technologies – HIPNEF 2002, with international participation.

The meeting was held from October 2 to 4 at the Breza hotel in Vrnjacka Banja, under the auspices of Federal secretariat for science and development, Serbian Ministry of science, technologies and development, and the city of Nis. It was opened by Serbian Minister of science, technologies and development, professor Dragan Domazet, Ph.D., who delivered a notable lecture on *The development of Serbia as an innovative society*.

HIPNEF 2002 was conceived with an intention of gathering a large number of experts and researchers, who would, by their announcements and achieved results, as well as by their active participation in the Meeting, contribute to a successful exchange of experiences, and, thereby, to the creation of conditions for a faster and more efficient transfer of the application of new techniques and technologies.

The main focus of the subjects raised at previous meetings on *hydraulics, pneumatics, electrical engineering, electronics, and fluids*, was on this occasion widened to include certain new fields. Thus, at this year's HIPNEF, themes from new disciplines are present; they are more or less related to the basic orientation, and have to do primarily with hydropneumatic automatisisation and new technologies.

The papers registered and presented at this year's HIPNEF are scientific and expert analyses of characteristic cases, experimental results, or applications of new or familiar theoretical postulates to the solution of topical problems in the design or use of technological equipment in manufacturing system conditions. What must be emphasised are the papers' authors, who presented their experiences and views as to the maintenance of technological means, by applying the above mentioned techniques in control processes and mechanical engineering in general.

Also, the researches whose results are incorporated into a certain number of papers presented at this Meeting were financed by Serbian Ministry of science, technologies and development, and they represent parts of projects which are at present being realised.

Themes of interest to small and medium (private) enterprises were also discussed at this meeting, with the participation of representatives of such enterprises.

A wide scientific and expert programme, including over a hundred papers, was published in a compilation, where, apart from the introductory ones, the papers are divided into seven thematic sections, while bearing the interdisciplinary nature of a majority of papers in mind.

Throughout HIPNEF, the participants were able to visit a specialised exhibition of equipment and components, which mainly originated from the sponsors. They wanted to participate in the meeting in this form as well, thus acquainting those present with their new manufacturing programmes, new technologies, and the directions of further development.

Finally, the large number of participants, coupled with the subjects covered at the Meeting, have justified the organisers' efforts, so that the goal of making this year's 28th HIPNEF 2002 better and larger than the previous ones has been achieved.

Prof. M. Stoiljković