

FOREWORD

The current academic year celebrates Romanian mining higher education: 150 years from the decree given by ruler Alexandru Ioan Cuza, on October 1st, 1864 regarding the foundation of the *School of Bridges and Roads, Mines and Architecture*, 66 years from the foundation of the *Coal Institute of Petroșani*, on December 7th, 1948, and 65 years from the establishment of INCD INSEMEX Petroșani as a research institute in the field of the health and safety of mining industry had collaboration with the University of Petroșani, the symposium *Universitaria SIMPRO* marked this moment and drew attention to the level of excellence in scientific research in the two research units.

Universitaria SIMPRO symposium has become a periodical scientific event that supports the research, development, and innovation strategy of the University of Petroșani while promoting the results of scientific research in all the fields of the Bachelor, Master or Doctoral Degrees of the University of Petroșani. and I.N.C.D. INSEMEX Petroșani as a co-organizer, ensuring the tradition in the field and the appreciation of experts.

At this year's edition of the Symposium *Universitaria SIMPRO 2014*, which held between 10-11 October 2014, attended 20 guests from abroad: Canada, UK, Germany, Italy, Turkey, Hungary, Bulgaria, Czech Republic, Poland, Slovakia and Moldova, either in plenary lecturer or in sections. Besides debates in plenary (7 papers) were registered 124 works in all the 10 sections with a wide participation of representatives of economic, research units and universities from all country. This event provided opportunities for new collaborations between universities and the research institutes and business and contributes to promoting the research of the University of Petroșani.

**Editor in Chief,
Prof. Ph.D. Victor ARAD**



Universitaria SIMPRO 2014 – opening ceremony