

MINING WEEK – MOSCOW, JANUARY 2014

The University of Petroșani, participated to the Yearly International Conference “Mining week”, organized by the Moscow State Mining University during 28-31 January 2014, with a group of professors: vice-rector prof. Ph.D eng. Victor Arad, dean of the Mining Faculty assoc.prof. Ph.D eng. Ioel Vereș and prof. Ph.D Nicolae Iliăș.

In Bucharest, before going to Moscow, the group was welcomed by the General Director of the High Superior Directory – prof. Ph.D Ioan Stefan Groza – and they discussed, among others, of the necessity of internationalizing the mining high education, of the ways for attracting foreign students to the University of Petroșani and of guidelines which the University of Petroșani needs to consider.

At the meeting in Moscow there participated the mining profile universities from Russia such as



The host of this conference, The Moscow State Mining University, was founded 96 years ago, having 5 faculties and 39 departments. The 800 teachers ensure the high level education for 22 specializations. Most of them are related to mining, but they also prepare specialists in automatics, robotics and economy. The University has over 6000 students, while since 1918 until now it trained over 50000 specialists.

The group from the University of Petroșani was warmly welcomed by personalities such as prof. Ph.D Vadim Leonidovich Petrov – rector of the Moscow State Mining University, prof. Ph.D Victor Arens – vice-president of the Russian Federation Natural Sciences Academy, prof. Ph.D Marina Peshkova, prof. Ph.D Semion Shkundin and others.

In the two meetings with rector Vadim Leonidovich Petrov there were discussed issues of

Saint Petersburg Mining University, Ural State Mining University, representatives of the Russian Academy, of The Methodic and Educational Association of Mining Universities from Russia, of The Scientific Center for Fundamental Mining Research and others. There were also more than 600 guests from 280 foreign institutions from 14 countries: Australia, Germany, Poland, Romania, Estonia, Ukraine, Kazakhstan, Uzbekistan, Belarus, Bosnia & Hertegovina, Serbia, Mongolia, P.D.R. of Korea and Vietnam.

The conference included scientific paper presentations in 28 sessions, debates and discussions on issues of mining engineering, geology, geophysics, mining topography, geomechanics, explosives, expansion, geo-ecology, geo-informatics, mining economics etc.



cooperation in research and education. Following the cooperation agreement, the Moscow University agreed to resume the student and teacher exchange with the University of Petroșani, stipulating the practice domain for mining students and activities from the mining domain.

The Moscow State Mining University has student exchange programs with universities from Germany and is keen on doing it with the University of Petroșani, considering the practice training a first step towards future student exchange programs. The members of the University of Petroșani were invited to publish scientific papers in “Mining Informational and Analytical Buletin”, “физико химическая геотехнология” (Physics-Chemistry Geo-technology) and other publications from the Moscow State Mining University.



The main subject of discussion for the “Mining Week” was the pressing need for mineral resources in the next few years worldwide. Together with the demographic and technologic grow and with the life level increase, it is estimated an exponential increase in the mineral resources demands in the next ten years. For example, the metal demand in constructions, transportations and machine productions will be too high to be covered by the current extracted and recycled volume. It is needed to develop new production capacities to extract and process all the types of mineral ores. This objective requires a strong involvement of elements and the mining education and research in the domains of extraction and processing are highly important.

Another important point of the Moscow visit was the meeting at ICSTI - The International Centre for Scientific and Technical Information. ICSTI is an inter-government institution founded in

1969 and Romania is a founding member. ICSTI cooperates with 30 countries from all continents, such as: South Africa, India, Egypt, Ukraine, Poland, Turkey, Latvia, Estonia, Hungary, Vietnam, Kazakhstan, Azerbaidjan. The ICSTI objective is to provide information, analytic, consultative and organizational support for international cooperation in sciences, technology and business. Within the ICSTI central building in Moscow work more than 150 specialists

Romania is represented to ICSTI by ANCS and by the University of Petroșani. For years the Romanian representative to ICSTI was prof. Nicolae Iliăș, who is now partner member of ICSTI. The current Romanian representative is prof. Ioan Ștefan Groza while the representative from the University of Petroșani – starting now – is prof. Victor Arad.



At ICSTI we were welcomed by Dr. Victor Kodola – institute director, Marina Tumanova – vice-director and department heads Nicolay Illarianov, Igor Lokhanov and Vladimir Fokin. They asked the Romanian side to participate to other ICSTI activities in 2014: business forum in Germany, business forum in Harbin – China, the 65th yearly meeting of the Founding Representatives Committee in Odessa – Ukraine and to a scientific conference preceding the yearly meeting.

The ICSTI leaders suggested to organize in Romania a new meeting of the ICSTI member countries, in 2015.

We should mention that during the meeting with prof. Ph.D Karsten Drebenstedt from the University of Freiberg, Doctor Honoris Causa at the University of Petroșani he informed us that before the Moscow trip that in Germany there were debates on the problem of Roșia Montană. There were hard discussions between the ecologists and the mining specialists who supported the complex ore deposit exploitation from Roșia Montană.

Prof. Ph.D Wilhelm Stelling, head of the Topography Department from Georg Agricola University of Bochum – Germany, expressed his intention of an international cooperation with the University of Petroșani, in order to organize together a master degree program for Geodesy and Cadastre. From the same Georg Agricola University, prof. Ph.D Jürgen Kretschmann, expressed his availability to cooperate with the University of Petroșani for preserving mining objectives with important industrial architecture, for remodeling and transferring them to the cultural heritage. Germany is experienced in this domain, in Bochum there is a superb mining museum, considered the most beautiful in the world.

In the end we need to mention that the image of Moscow is strongly occidental, with sky scraper buildings, construction sites, luxury stores on large avenues, high speed traffic on roads and boulevards, without pedestrian crossings but with underground passages, presenting a high class city.