

**GENERAL MEETING OF THE
ROMANIAN ASSOCIATION FOR NONCONVENTIONAL TECHNOLOGIES
SIBIU, Lucian Blaga University, 5-7 October 2012**

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During 5 - 7 October 2012, the General Meeting of the Romanian Association for Nonconventional Technologies – ARTN took place in Sibiu at „Lucian Blaga” University of Sibiu. On the schedule of *the Sibiu Meeting*, the second this year, the Workshop „*Nanotechnologies and the challenges of the IIIrd millennium*” and the meeting of the Steering Committee of ARTN were included.



Nonconventional technologies of dimensional processing of materials represent one of the important directions of scientific research in Romania. To this extent, for more than 40 years in the Romanian universities groups, specializations, bachelor, master and Ph.D. study programs have been created addressing researchers, academics and scientific orientated preoccupations in the field of convention and nonconventional technologies.

The Romanian Association for Non-conventional Technologies – ARTN represents a strong scientific body supported by the Romanian Academy – The Committee for Nonconventional Energies and The Academy for Engineering Sciences, association which in time has developed through its subsidiaries opened in the great university centers around the country, coordinated by remarkable academics from the Polytechnic University of Timisoara, the Polytechnic University of Bucuresti, “Lucian Blaga” University of Sibiu, “Transilvania” University of Braşov, “Stefan cel Mare” University of Suceava, “Gheorghe Asachi” University of Iasi, “Ioan Slavici” University of Timisoara, University of Oradea.

Under the coordination of the Romanian Association for Nonconventional Technologies, with a seniority in the scientific world of 42



years, the *International Conference of Nonconventional Technologies - ICNcT* takes place, and the *Nonconventional Technologies Review* is edited, a scientific publication established in 1997 with quarterly issue, indexed B+ and in three international data bases Copernicus, ProQuest and EBSCO.



The meeting from Sibiu had as main point choosing the new management team of ARTN, establishing the new management of the Nonconventional Technologies Review and establishing the organization agenda for the International Conference of Nonconventional Technologies which is going to take place next year.

Nonconventional Technologies have been applied in enterprises for over 50 years. At the beginning, and a long time after, in the specialized literature Nonconventional Technologies were considered technologies which used as “tools” energies concentrated under different shapes such as: electric discharges in impulse, the temperature which an electron, ion, neutron or laser beam can create, plasma, electrolysis phenomena, ultrasounds, water jet, etc.

With all these technologies processing is done by removing a small quantity of material from the surface of the piece, in the shape of small particles however in large number in the time unit, phenomenon characteristic to erosion, where these technologies take their name from, namely technologies by erosion. In the current context, *nanotechnologies* represent the future of the planet and their importance in the economic development of regions is taken into consideration more and more seriously.

Under the conditions in which states, governments, developers and investors from different fields are looking for the most efficient strategies for making activities more efficient in relation to reduction of costs and energy consumption, researches in the field, acknowledged and patented inventions, the results of the research centers and institutions in the field of nonconventional technologies become sure solutions.

