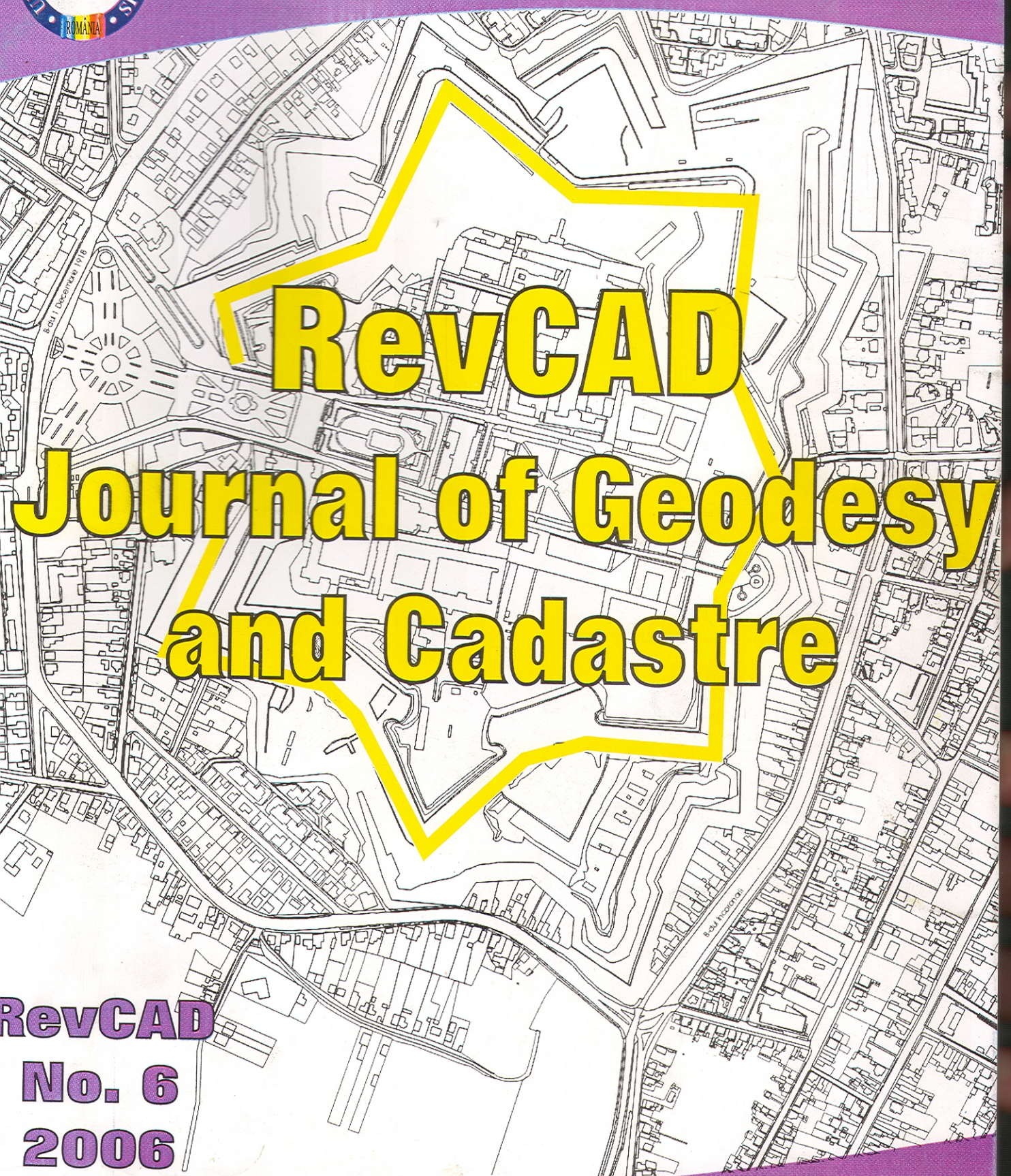




ROMANIA
MINISTRY OF EDUCATION AND RESEARCH
"1 DECEMBRIE 1918" UNIVERSITY OF ALBA IULIA



RevCAD **Journal of Geodesy** **and Cadastre**

RevCAD
No. 6
2006

ETERNITAS PUBLISHING HOUSE
ALBA IULIA



ROMANIA
MINISTRY OF EDUCATION AND RESEARCH
"1 DECEMBRIE 1918" UNIVERSITY OF ALBA IULIA
 13 Nicolae Iorga Str., RO- 510009 Alba Iulia
 Phone: 004-0258-811512 Fax: 004-0258-812630
 E-mail: cond@uab.ro

The "1 Decembrie 1918" University of Alba Iulia is a public higher education and research institution, founded in 1991 according to the Romanian Government Decision no. 474/09.07.1991. It is a governmental institution, integrated into the national higher education system and functions on the basis of the Romanian Constitution, the Law of Education, the University Charter and internal norms.

The University is presently structured in 26 specializations organized in four faculties: the Faculty of History and Philology, the Faculty of Sciences, the Faculty of Law and Social Sciences, the Faculty of Orthodox Theology and two University Colleges: University College of Alba Iulia and University College of Educators at Blaj. From these specializations, 20 are long-term and 6 short-term. In the academic year 2005/2006 the University has over 7900 students enrolled at three forms of education: full time, distance and reduced frequency.

One of the priorities of the University's strategy has been the development of postgraduate studies. Thus, beginning with 1998/1999, postgraduate studies were initiated (Master, Doctoral programmes) in the specializations History/Archeology and beginning with 2002 a Master's Degree programme in Educational Sciences was initiated (Educational Management). This strategy was continued in the period 2002-2003 such that, at present, the University organizes postgraduate studies (Master, Doctoral studies and specialization courses) in specializations in the following areas: History, Philology, Theology, Law, Educational Sciences, Economics, Accountancy, Cadastre/Topography/Geodesy.

A central objective of the University has been to combine the education process with the scientific research and to establish mixed research teams, teaching staff-students, from the department level to the level of research centers specialized on peak themes and domains, partially or totally funded through participation for the research funding competition (grants). The results of the research (studies, articles, monographs) have been published in national and foreign journals, at the University's own publishing house and in its own publications, having been welcomed into the specialty environments.

Research activities are an essential component of education and innovation processes at the "1 Decembrie 1918" University of Alba-Iulia, being considered the main criterion for academic assessment. Research is carried out in three main directions: Research carried out by interdisciplinary teams within departments, with a broad area of interests in terms of themes approached (numerous lectures and papers, submitted at local and international conferences, most of which were published in conference proceedings or specialist reviews); -research and services contracts concluded with other beneficiaries (companies, public institutions); academic research carried out as part of grants financed by the Ministry of Education and Research.

A special emphasis has been given to computerizing the educational process and the scientific research. For this purpose, the Department of Informatics was established within which there is an Academic Communication Center that ensures the present and future interconnection of all the computer systems within the University.

Within the Strategic Plan for Institutional Development of the "1 Decembrie 1918" University, an important objective is the extension of collaboration relations with universities from abroad. In this respect, the Department for International Relations and European Integration has been established, through which all inter-university programmes take place and relations of partnership with foreign higher education and research institutions are established. At present, the international cooperation involves interaction with several institutions from Europe, Asia and the United States.

The mission of the University "1 Decembrie 1918", undertaken by University Charter and consecrated by the institution's name, is circumscribed, in its essential dimensions, by the national significance of Alba Iulia municipality and of its surroundings. The educational ideal and the University mission is sustained by valuable traditions of Romanian higher schools and seeks to contribute, by specific educational, research and values creation modalities, to national identity keeping and affirming, to the unity in diversity of Romanian culture, to active integration of this in European and universal circuit of values.

The specialization *Topography (Engineering)* takes special places on the labour market, taking into account the fact that the problem of cadastre evidence is highly regarded at the European level. Cadastre and topography specializations were founded at the beginning of the 3rd millennium, being considered today a special research field in the vast domain of science and technique (Geo-informatics). The aim of this profile is to create specialists in the domain of cadastre and topography.

The teaching staff of the Department of Topography and Cadastre is represented by: Prof. PhD Eng. Maricel Palamariu head of department, Lecturer PhD. Eng. Ienciu Ioan, Lecturer PhD. Levente Dimen, Lecturer reg. PhD. Eng. Mircea Puscas, Assistant reg. PhD Eva Koncsag and the following associated teaching staff: Prof. PhD. Eng. Nicolae Dima- from University of Petrosani, reg PhD. Eng. Balancen Flaviu, reg. PhD. Eng. Andreea Ungur, reg PhD. Eng. Luciana Oprea, reg PhD. Eng. Popa Alexandra, Eng. Borsan Tudor.

The Centre for Topographical and Cadastre Research works in collaboration with the Department of Topography and Land Survey and is involved in research projects concerning topography, geodesic networks and cadastral surveys in towns. The centre gives the students who study Land Survey the possibility to do practical training during the summer holiday. It also hosts a students' research centre, "student CAD", which has 21 research projects under way.

The Photogrammetry Laboratory

Offers services such as: taking photogrammetrical images of archaeological sites, assessing the volume and earth mass moved in a site: storehouse, quarry, etc, tracing the movement of buildings, bridges, as well as their stability, taking metrical images in car, railway accidents, etc.

Logistics

Stereocamera UMK 10/1318

Tehnochart Carl Zeiss Jena with a coordonatograph mass

Interperspectoscope Carl Zeiss Jena for image analysis

Stereopanthometre Carl Zeiss Jena

Stereoscope with mirrors, analysis of the third coordinate

Camera Clara, device that restitutes the photogrammetrical image.



The Topography and Cadastre Laboratory

Provides services of the type: topographical surveys for archaeological sites, stratigraphic drawings (horizontal and vertical) with the help of the total station, computerized processing and management of data, etc.

Logistic

System GPS 500 Leica (3 receptor stations);

Total stations TCR 307, 702, 705 Leica for 8000 measurements/ Total station Trimble 5503

Transfer Software (Leica Survey Office) and digital level software NA 2002;

Classical level NA 728;

Electronic planimeter XPLAN 360 dII+;

Electronic theodolite; classical theodolite etc.

AutoCad Software, under license of SC Gauss S.R.L., Timișoara etc.

RevCAD
No. 6
2006

ETERNITAS PUBLISHING HOUSE ALBA IULIA

ISSN 1583 - 2279

www.uab/revista/RevCAD.html