

## FINALISED GRANTS

With national funding:

-

Excellence research grant (CEEX) no. C85/2006, beneficiary: The Ministry of Education and Research; coordinator: University of Craiova, Faculty of Engineering and Management of the Technological Systems from Drobeta Turnu Severin; project manager: prof. Mangra Mihail; title: ***Development of the knowledge on the elaboration and microprocessing through powder metallurgy of the nanostructured materials for MEMS parts***; acronym: **PRONANOMAT**; period: 2006-2008 (  
[www.imst.ro](http://www.imst.ro)  
).

-

Excellence research grant (CEEX) no. 266/2006, beneficiary: The Ministry of Education and Research; coordinator: National Institute of Research-Development in Welding and Materials Testing - ISIM Timisoara; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems from Drobeta Turnu Severin; project coordinator: prof. Mangra Mihail; title: ***Plurifunctionalized microlayers for titanium alloys covering by advanced technologies***; acronym: **MICROFUNCTIA**; period: 2006-2008 (  
[www.isim.ro](http://www.isim.ro)  
).

-

Research grant EXCELENCE RESEARCH (CEEX) nr.265/2006, beneficiary: Romanian Ministry of Education and Research; coordinator: Institute of Welding and Materials Testing

(ISIM), Timisoara; partnership: University of Craiova, Faculty of Engineering and Management of the Technological Systems from Drobeta Turnu Severin; partnership coordination: prof. Mangra M.; title: ***Virtual centre for integrated technologies with applications in the electroultra-acoustic energy in advanced materials engineering*** ; acronym : **ULTRATECH**  
; period: 2006-2008 (  
[www.isim.ro](http://www.isim.ro)  
).

-

Research grant EXCELLENCE RESEARCH (CEEX) no. 94/2006, beneficiary: Ministry of Education and Research; coordinator: Institute of Chemicals-Physics „I.G. Murgulescu”, Bucharest, Romania; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin; partnership coordinator: prof. Mihail Mangra; title : ***The influence of the composition and the structure on the thermodynamical, electrical and magnetic properties of the micro- and nanostructured oxidic materials with special magnetoresistive properties*** ; acronym: **CMR-TEM**  
period: 2006-2008 (  
[www.icf.ro](http://www.icf.ro)  
).

-

Research grant EXCELLENCE RESEARCH (CEEX) no. 40/2005, beneficiary: Ministry of Education and Research; coordinator: Polytechnic University of Bucharest (UPB) through the Research Centre CEMS; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania; partnership coordinator: prof. Mihail Mangra; title: ***Biocompatible nanostructured materials for medical devices*** ; acronym: **NANOBIOMED**; period: 2005-2008 (  
[www.pub.ro](http://www.pub.ro)  
).

-

Research grant EXCELLENCE RESEARCH (CEEX) 2005, beneficiary: Ministry of Education

and Research; coordinator:

IPA - Craiova;

partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania; partnership coordinator: prof. Mihail Mangra; title: ***Research regarding control and evaluation systems for evaluating the pollution level in naval transports***

; acronym:

**emSHIPs**

; period: 2005-2008 (

[www.ipacv.ro](http://www.ipacv.ro)

)

.

-

- Research grant 125/2.09.2005, coordinator: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania

; scientific director: assoc. prof. Gruionu Lucian; title:

***Computational method for evaluation of hemodynamics and oxygen transport in microvascular networks developed by tissue engineering***

; period: 2005-2006.

-

- Research grant 27661/14.03.2005, coordinator: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania

;

scientific director: assoc. prof. Gruionu Lucian; title:

***Finite elements studies of shape and materials effect on knee implants behavior***

; period: 2004-2006.

-

Research grant CNCSIS 27GR/11.05.2007, coordinator: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania

;  
director: assoc. prof. Gruionu Lucian; title:  
***Improvements of the hip revision arthroplasty using computational, patient customized models for biomechanical evaluation***  
; period: 2007-2009.

- Research grant EXCELLENCE RESEARCH (CEEX) 131/2006, supported by the Ministry of Education and Research; partener: Univers  
ity of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania  
; scientific  
director: assoc. prof. Gruionu Lucian; title:  
***Long term improvement of life quality for patients with arthroplasty through prosthesis functionality extension***  
; period: 2006-2008.

-  
Research grant PNCDI-II no. 265/2007, beneficiary: Ministry of Education and Research;  
coordinator: Institute of Welding and Materials Testing, ISIM, Timisoara; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania  
; scientific  
director: assoc. prof.  
Savu Danut;  
title:  
***Microwelding systems for circuit elements and incapsulation of microstructures and actuators***  
, acronym:  
**MICROWELD**  
; period: 2007-2009 (  
[www.isim.ro](http://www.isim.ro)  
).

With international funding:

-

The 6th Framework Program (PC6), beneficiary: European Commission; project coordinator: Chalex Ltd., United Kingdom; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania, partner coordinator: prof. Mangra Mihail; title:

***Improvement the understanding of the impact of nanoparticles on human health and the environment***

; acronym:

**IMPART**

(

[www.impart-nanotox.org](http://www.impart-nanotox.org)

).

-

Contract code RO 2002/000 - 586.05.02.02.160, beneficiary: The Agency for South-West Oltenia Regional Development, Phare 2002 Program: Economic and Social Cohesion - Human Resources Development; manager: prof. Mangra Mihail; technical manager: prof. Ciolacu Filip; title: ***Occupational perfectioning and antreprenorial development in the technical field.***

-

The 7th Framework Program (PC7), TREN/FP7/TR/218362, beneficiary: European Commission; project coordinator: Via Donau, Viena, Austria; partner: University of Craiova, Faculty of Engineering and Management of the Technological Systems, Drobeta Turnu Severin, Romania, partner coordinator: prof. Mangra Mihail; title:

***Platform for the implementation of NAIADES***

**PLATINA**

;period: 2008-2011 (

<http://www.naiades.info/platina/page.php?id=138&path=1,3,6>

).

- Contract SEE AF/A/223/1.3/X, Acronym: **NELI**, Project title: **Cooperation-Network for Logistics and Nautical Education focusing on Inland Waterway Transport in the Danube Corridor**

Supported by

### Innovative Solutions

-

Transnational Cooperation Program for South-East Europe, Coordinator: CERONAV Constanta, Partner: University

of Craiova, Faculty of Mechanics, Department of Engineering and Management of the Technological Systems from Drobeta Turnu Severin, UCV coordinator

: Prof. Ion Ciupitu, Period: 2009-2012

(

<http://www.neliproject.eu/neli/>

)

.

## UNDERGOING GRANTS

With national funding:

-

Research grant PN II - PT-PCCA-2011-3.1-0252, coordinator: University of Medicine and Pharmacy from Craiova; partener: University of Craiova, Faculty of Mechanics, Department of Engineering and Management of the Technological Systems from Drobeta Turnu Severin; title: **Hyperthermic magnetic nanoparticle ablation of liver and pancreatic tumors**

, acronym:

**NANO-ABLATION**

; period: 2012-2015.

With international FUNDING:

- Contract SEE/D/0080/3.2/X, Acronym: **HINT**, Project title: ***Harmonized Inland Navigation Transport through education and information technology***, South East Europe Transnational Cooperation Programme (SEE), Coordinator: CERONAV Constanta, Partner: University of Craiova, Faculty of Mechanics, Department of Engineering and Management of the Technological Systems from Drobeta Turnu Severin, UCV coordinator: Lect. Savu Sorin, period: 2012-2014 ([www.hintproject.net](http://www.hintproject.net)).

- Research grant, program: European Cooperation in Science and Technology, **COST** - MPNS Action MP0903, title: ***NANOALLOY – Nanoalloys as Advanced Materials: From Structure to Properties and Applications***; beneficiary: European Commission; coordinator: University of Genova, Italy; prof. Gingu Oana, member of the Management Committee for Romanian Partner, coordinator of the research team at the University of Craiova; period: 2010-2013 ([http://w3.cost.eu/index.php?id=247&action\\_number=MP0903](http://w3.cost.eu/index.php?id=247&action_number=MP0903)).

- Contract 2012-EU-18067-S, Acronym: **LNG**, Project title: "***LNG masterplan for Rhine-Main-Danube***", Program Trans-European-Network (TEN-T) MAP 2012, Coordinator: PRO Danube Management GmbH, Austria,

partner: University of Craiova, Faculty of Mechanics, Department of Engineering and Management of the Technological Systems from Drobeta Turnu Severin, UCV coordinator: Prof. Gabriel Benga, period: 2013-2015

(  
<http://www.lngmasterplan.eu/>  
).