

## Contacts and overall information about institution

<b>Name of Organisation:</b>	Technical University of Warsaw		
City	Warsaw	Zip Code:	00-681
Street	Hosa 69		
<b>Status of Organisation:</b>	University		
<b>Name of Research Unit:</b>	CEMOS - Centre for Physics and Technology of Semiconductor Materials and Structures for Optoelectronics and Spintronics		
<b>S &amp; T Activity Fields:</b>	Nano Sciences, Nano Technologies, Materials and New Production Technologies		
FP 7 Priorities	2.2 Electrical engineering, electronic engineering, information engineering		
Frascati classification	Optical properties of low-dimensional semiconductor structures; Exciton-and carrier spin phenomena in Diluted Magnetic Semiconductor (DMS) heterostructures; Semiconductor materials for spintronics		
Description of activities			
<b>Website:</b>	<a href="http://www.cemos.edu.pl">www.cemos.edu.pl</a>		
<b>Overall Description of Institute (Research Unit)</b>	<p>The CEMOS is hosted by the Division of Solid State Physics of the Faculty of Physics in the Warsaw Technical University. It is the largest Division in this University by number of researchers with the professor's title. CEMOS is the only research unit in Poland devoted entirely to physics of semiconductors. The Division is a Marie Curie Host for the Transfer of Knowledge "Semiconductor Materials for Information Technology" (MTKD-CT-2005-029671) from 1st June 2006. Members of the staff take part in numerous activities, which confirm their recognition by international community of semiconductor scientists. Prof. M. Grynberg, who coordinates activities of the Centre, works for International Editorial Board of Solid State Communications (Elsevier) and for Editorial Advisory Board of Materials Science and Engineering B (Elsevier). The Polish Committee of Scientific Research ranks this Institute among the leading scientific institutions in Poland. High quality of teaching has been recognised by granting accreditation to the Faculty of Physics by the University Accreditation Commission. Young researchers from the Division were awarded 12 times prestigious Fellowships of the Foundation for Polish Science. In 1998 young researchers were also granted two Humboldt Fellowships.</p>		
<b>Head of Research Unit:</b>	Name:	Prof. PhD Marian Grynberg	
Position Title:	Director		
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<b>Contact Person of Research Unit :</b>	Name:	PhD Gabriela Tusk	
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## Resources and international Activities

**Number of Researchers in Unit:**

15

**Research Facilities:**

MOCVD reactor for the growth of nitrides  
Complete collection of nanotubes till 2008

**Number of International Projects:**

12 completed; 4 in progress

**Name and Number of major Publications:**

- Structural Control and Health Monitoring, Lecture Notes 1, J. Holnicki-Szulc (Ed.), Warsaw, 2001.
- Biomechanical Techniques for Pre-clinical Testing of Prostheses and Implants, Lecture Notes 2, P. J. Prendergast, Warsaw, 2001.
- New Experimental Methods in Material Dynamics and Impact, in Series: Trends in Mechanics of Materials, vol. 3, W. K. Nowacki and J. R. Klepaczko (Eds.), Warsaw, 2001 (CD-ROM included).
- Selected Mechanical Problems in Structural Ceramics, Lecture Notes 3, D. Bigoni, Warsaw, 2002.
- Mechanics of Advanced Materials and Structures, Lecture Notes 4, Z. Mróz (Ed.), Warsaw, 2002.

**Participation in 7th Framework Programme:**

Food, Agriculture, Fisheries and Biotechnology:

Energy:

Environment (including Climate Change):

Health:

Information and Communication Technologies:

Nano Sciences, Nano Technologies, Materials and New Production Technologies:

Security

Socio-economic Sciences and the Humanities

Space

Transport (Including Aeronautics)

Capacities

**Other international project experience:**

CEDA: transalt, crf/2345/002;  
UNDP regsearch 12345/rte/2001;  
Tempus EU/0987/2007