

соглашение (угода)
AGREEMENT № 001/2010

Trieste

17.01.2010

Optics and Laser Physics Laboratory of the Abdus Salam International Centre for Theoretical Physics called as a "Laboratory" (Trieste, Italy) and Kharkov National University of Radio Electronics (Kharkov, Ukraine), Institute of Physics of NASU (Kiev, Ukraine), Institute of Radio physics and electronics NASU (Kharkov, Ukraine), called as a "Optic Research and Education Group", ^{concluded} conclusion ~~a~~ agreement about cooperation in ~~the~~ scientific and education fields.

General conditions

Laboratory:

1. An international organization and ^{are} are fulfilling researches and training in fundamental and applied Optics.
2. Have research lines as:
 - Applications of femtosecond lasers to Free Electron Laser development,
 - Physics and applications of short pulse lasers,
 - Diagnostics of VUV and soft X-ray light pulses.
3. Can ~~to~~ connect with another countries' universities and institutions for forming researches plans and training courses.

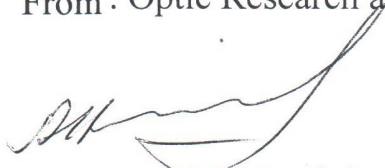
Optic Research and Education Group:

1. KhTURE is the education institution, of state-owned higher level of accreditation in Ukraine, whose goal is to prepare undergraduate and postgraduate courses, based on researches in university. Has a general line of researches in the field of laser physics, optoelectronic and microwave technology.
2. Institute of Physics of NASU are investigated fiber optics lasers and its applications
3. Institute of Radio physics and electronics NASU has the necessary base for scientific researches in coherent and non coherent optics.

Subject of agreement

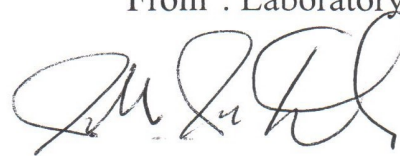
1. The purpose of this agreement is the creation of legal norms on the basis of which the Optic Research and Education Group and the Laboratory will be realizing joint research and address issues of Master's and postgraduate students in the field of laser physics and optoelectronics.
2. Optic Research and Education Group and Laboratory will be study:
 - Lasers with ultra short pulses radiation, its constructions and optimization of optical elements,
 - Lasers systems with ultra short pulses for application in telecommunication and measurement technique,
 - Coherent Population Trapping (CPT) for realization modulation method for multi frequency laser radiation,
 - X-ray light pulses using method of frequency multiplication,
 - LED in interferometry for precision measurements
 - Generation of Coherent X-ray imaging
3. Laboratory help Optic Research and Education Group to take part in the Trieste System for Optical Sciences and Applications (TSOSA).

From : Optic Research and Education Group



A.M. Negriyko

From : Laboratory



J. Niemela



K.A. Lukin



Yu.P. Machekhin