



**IZEST**  
International Zeta-Exawatt  
Science Technology



*Institute of Applied Physics, Russian  
Academy of Sciences*



*Service pour la Science,  
la Technologie et l'Espace*

**Preliminary Agenda  
Workshop "The Laser Ascent to Subatomic Physics and Applications"**

**26<sup>th</sup> April 2013**

**French Embassy in Moscow  
45 Bolchaïa Iakimanka**

09:00 – 09:30	<i>Registration and welcome coffee</i>	
09 :30	<i>Opening ceremony</i>	
09 :30	Jean de Gliniasty	Welcome address
09 :45	A.Foursenko	Greetings from the Presidential Administration
09 :55	V. Panchenko	Greetings from the Russian Foundation of Basic Research
10 :00	T.Massard	Greetings from the CEA
10 :05	S. Bagayev	Greeting from the Russian Academy of Sciences
10 :10	G. Mourou	IZEST : Subatomic Physics: Its impact in Particle Physics and Societal Applications
10 :30	A. Litvak	XCELS : Project presentation
10 :50	Scientific plenary session: A – Chair – A.Sergeev	
10 :50	N. Narozhny	Nonlinear Quantum Electrodynamics
11 :15	Ruxin Li	Development of ultra-high-power laser facility at 10PW and beyond
11 :35	N. Zampfir	ELI Nuclear Physics
11 :55	A. Pukhov	Electron and ion acceleration by ultra-intense lasers
12 :15	N. Andreev	High energy density physics with lasers at Joint Institute for High Temperature
12 :35	K. Osvay	ELI Attosecond Light Pulse Source
13 :00-14.00	<i>Lunch</i>	
14 :20	Scientific plenary session: B – Chair – V.Bychenkov	
14 :30	F. Gliksohn	ELI Beamlines: mission, objectives and status
14 :50	JL Miquel	Laser PETAL and LMJ : Extreme Intensity and High Energy Density Physics
15: 10	V. Trunov	Laser system of ultrarelativistic intensity ( $\geq 1025\text{W}/\text{cm}^2$ ) based on coherent beam combining
15 :30	J. Fuchs	IZEST Technology: Damageless Optics
15 :50	<i>Coffee break</i>	
16:20	Scientific plenary session: C – Chair – G.Shirkov	
16 :20	D. Levaillant	Ultra high Intensity Laser Industry point of view
16 : 40	A. Fertman	Laser technologies and new business opportunities
17:10	F. Gliksohn	Summary of Skolkovo laser technologies start-ups
17:10	F. Gliksohn	ELI Delivery Consortium: paving the way towards ELI's operation
17 :20	J.M. Freyssinet/G. Mourou	Closing statement
18:00	<p><i>Ceremony of the signature of the MoU</i> ( I.Fedyukin, A.Litvak, T.Massard, G.Mourou, G.Petite, M.Strikhanov) <i>and Cocktail at the Ambassador's Residence</i> <b>(ONLY upon special invitation)</b></p>	