



**XCELS meeting**

**Nizhny Novgorod  
December, 13–14, 2011**

## **XCELS evaluation meeting**

**Institute of Applied Physics**

### **Program**

#### **December, 13**

9-30	<b>Registration</b>	
10-00	A. Litvak (IAP)	XCELS Project overview
10-20	E. Khazanov (IAP)	200 PW laser for XCELS
10-50	A. Shaykin (IAP)	PEARL upgrade – a step towards 200 PW laser for XCELS
11-10	A. Soloviev (IAP)	Experiments on PEARL laser-plasma interactions
11-30	<b>Coffee break</b>	
11-50	<b>Laser labs tour</b> (PEARL, Crystal growth laboratory, Laboratory of ultrafast phenomena, Laboratory of cryogenically cooled lasers)	
13-30	<b>Lunch</b>	
14-30	Th. Massard (CEA)	Video Conference
<b>Presentations of Russian Research Institutions – XCELS Contributors</b>		
15-00	S. Garanin (Russian Federal Nuclear Center, Sarov)	
15-30	A. Larichev (Institute for Laser and Information Technologies)	
15-50	V. Trunov and S. Bagayev (Institute of Laser Physics SB RAS)	
16-10	S. Garnov and M. Romanovsky (A.M. Prokhorov General Physics Institute)	
16-30	A. Ionin and A. Koniasshenko (P.N. Lebedev Physical Institute/AVESTA Ltd)	
16-50	<b>Coffee break</b>	
17-10	Video Conference	
17-40	Round Table and Formation of the XCELS International Advisory Committee: P. Bolton (JAEA), S. Garanin (RFNC-VNIIEF), S. Garnov (GPI RAS), M. Hegelich (LANL), D. Jaroszynski (Univ. of Strathclyde), K. Koyama (KEK), T. Kuehl (GSI), G. Mourou (IZEST), W. Sandner (Laser Lab Europe, ELI), A. Sergeev (IAP RAS), T. Tajima (ICUIL)	
20-00	<b>Dinner</b>	

**December, 14**

<b>XCELS science overview</b>		
9-30	I. Kostyukov (IAP)	e-e+ plasmas
9-50	N. Narozhny (MEPhI)	QED with XCELS
10-10	A. Kim (IAP)	Gamma ray sources with XCELS
10-30	N. Andreev (JIHT)	Particle acceleration with XCELS
10-50	<b>Coffee break</b>	
<b>XCELS science overview</b>		
11-10	V. Gordienko (MSU)	Cluster nanoplasma in ultrarelativistic regime
11-30	A. Mitrofanov (MSU)	Attosecond and zeptosecond prospectives at XCELS
11-50	A. Sergeev (IAP)	Beyond $10^{26}$ W/cm <sup>2</sup>
12-10	Discussion of XCELS science issues	
12-40	XCELS International Advisory Committee Session and Report	
13-30	<b>Lunch</b>	
14-30	A. Litvak (IAP)	Institute of Applied Physics overview
15-00	<b>General IAP tour</b>	
17-00	<b>Discussion and closing remarks</b>	
19-00	<b>Dinner</b>	