

Timetable of the International School on Ultra-Intense Lasers 2015

	8:00-9:00	9:00-11:00	11:00-11:15	11:15-13:15	13:30-15:00	15:00-17:00	17:00-17:15	17:15-19:15	19:15-20:00	19:30-21:00
Mon, Oct 5	Breakfast	K.-I. Ueda	Coffee	S. Belkov	Lunch	V. Tikhonchuk 1	Coffee	Poster session	Interactive classes I-IV	Welcome party
Tue, Oct 6	Breakfast	V. Tikhonchuk 2	Coffee	C. Simon-Boisson	Lunch	I. Kostyukov	Coffee	A. Pukhov 1	Interactive classes I-IV	Dinner
Wed, Oct 7	Breakfast	A. Pukhov 2	Coffee	J. Fuchs 1	Lunch	Local sightseeing and outing				
Thu, Oct 8	Breakfast	E. Cormier 1	Coffee	J. Fuchs 2	Lunch	E. Cormier 2	Coffee	D. Charalambidis 1	Interactive classes I-IV	Banquet
Fri, Oct 9	Breakfast	D. Charalambidis 2	Coffee	T. Kuehl	Lunch	N. Narozhny	Coffee			Dinner

**Main lectures:**

**Sergey Belkov**, RFNC-VNIIEF, Russia  
Problems of laser fusion

**Dimitrios Charalambidis**, The Univ. of Crete, FORTH-IESL, Greece; ELI-ALPS  
Attosecond science (in 2 parts)

**Eric Cormier**, CELIA, France  
Part 1: Metrology of ultrashort laser pulses: Femtosecond time scales  
Part 2: Metrology of ultrashort laser pulses: Attosecond time scales

**Julien Fuchs**, LULI, France  
Laboratory astrophysics with ultra intense lasers (in 2 parts)

**Igor Kostyukov**, IAP RAS, Russia  
Electron acceleration with ultra-intense lasers

**Thomas Kuehl**, GSI, Germany

At the interface between ultra-intense lasers and nuclear and high-energy physics

**Nikolay Narozhny**, MEPhI, Russia

Extreme light physics

**Alexander Pukhov**, University of Duesseldorf, Germany

Part 1: Particle-in-cell codes for plasma-based particle acceleration

Part 2: High intensity laser interaction with solid density targets: novel sources of x rays and energetic ions

**Christophe Simon-Boisson**, Thales Optronique S.A.S., France

Technologies and achievements in the field of industrial grade TeraWatt and PetaWatt lasers

**Vladimir Tikhonchuk**, CELIA, France

Physics of laser-plasma interaction in application to ICF (in 2 parts)

**Ken-Ichi Ueda**, Univ. of Electro-Communications, Japan

Laser history: from gas lasers to solid state lasers and fiber lasers

### **Interactive classes:**

#### **I. High average power and high-energy lasers**

conducted by:

**Efim Khazanov**, IAP RAS

**Sergey Grechin**, Bauman MSTU

**Andrey Kuznetsov**, NRNU MEPhI

**Oleg Sharov**, RNFC

**Oleg Palashov**, IAP RAS

#### **II. Femtosecond-laser-plasma interaction and particle acceleration**

conducted by:

**Alexander Sergeev**, IAP RAS

**Mikhail Starodubtsev**, IAP RAS

**Evgenia Echkina**, MSU  
**Artem Korzhimanov**, IAP RAS

### **III. Laser ceramics: fabrication and application**

conducted by:

**Ivan Mukhin**, IAP RAS  
**Stanislav Balabanov**, IHPS RAS  
**Yuriy Kapylov**, IRE RAS  
**Sergey Kuznetsov**, GPI RAS

### **IV. Interaction of strong lasers with quantum systems**

conducted by:

**Alexander Fedotov**, NRNU MEPhI  
**Sergey Popruzhenko**, NRNU MEPhI  
**Mikhail Emelin**, IAP RAS  
**Evgeny Gelfer**, NRNU MEPhI  
**Arseny Mironov**, NRNU MEPhI