

# 2nd Announcement ECLIM 2012

## 32<sup>nd</sup> European Conference on Laser Interaction with Matter (ECLIM)

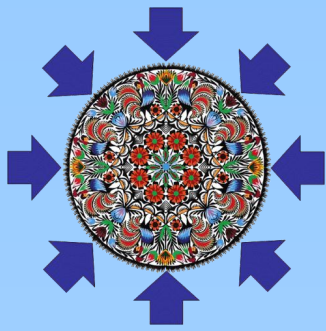
Warsaw, Poland, September 10-14, 2012



**Military University of Technology**



**University of Warsaw**



# ECLIM 2012

**The 32nd European Conference on Laser Interaction with Matter (ECLIM 2012) will be held in Warsaw - Poland on September 10 - 14, 2012.**

The ECLIM Conferences organized since 1966 represent in a comprehensive way the interaction of lasers with matter at high power densities, including inertial fusion and associate technologies, ultra intense laser interactions, and laser-driven secondary sources of particles and short wavelength radiation.

## **The Conference topics are:**

- High-Intensity Laser Interactions
- Laser Plasmas
- Inertial Fusion Energy
- Laser Fusion Drivers
- Target Design and Fabrication
- Diagnostics
- Ultra Intense Lasers
- Particle Generation and Acceleration
- X-ray and EUV Sources

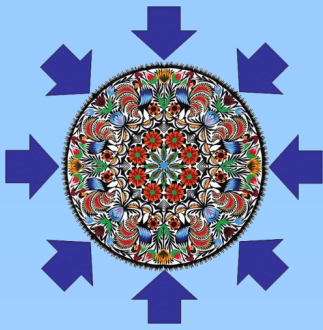
More detailed information on scientific topics and the ECLIM 2012 conference organization is available on the following webpage: <http://eclim2012.wat.edu.pl>

## **Important Dates:**

Abstract submission: June 15, 2012

Early registration: July 31, 2012

Registration deadline: August 20, 2012



# ECLIM 2012

## 32<sup>nd</sup> European Conference on Laser Interaction with Matter

Warsaw, Poland, September 10-14, 2012

### Conference Program

#### **Sunday 09.09.2012**

17.00 - 20.00 Registration & Welcome (UW)

#### **Monday 10.09.2012**

09.00 – 10.00 Registration (UW)

10.00 – 10.15 Opening (UW)

10.15 – 10.45 Plenary Session (UW)

10.45 – 13.00 Plenary Session (UW)

14.30 – 16.00 Inertial Fusion Energy (UW)

16.30 – 18.00 Ultra Intense Lasers (UW)

18.00 – 20.00 Welcome reception (UW)

#### **Tuesday 11.09.2012**

09.00 – 11.00 Particle acceleration (UW)

11.30 – 13.00 X-ray Lasers (UW)

14.30 – 16.00 Laser Plasmas (UW)

16.30 – 18.00 Diagnostics (UW)

18.00 – 20.00 Poster session (UW)

#### **Wednesday 12.09.2012**

09.00 – 11.00 X-ray/EUV sources (UW)

11.30 – 13.00 High-Intensity Laser Interactions (UW)

14.30 – 16.30 Inertial Fusion Energy (UW)

16.30 – 19.30 Excursion

19.30 – 21.30 Dinner (MUT)

#### **Thursday 13.09.2012**

09.00 – 11.00 Particle acceleration (MUT)

11.30 – 13.00 Inertial Fusion Energy (MUT)

15.00 – 16.00 Exhibition (MUT)

16.00 – 17.30 Special Session (MUT)

17.30 – 18.15 Concert (MUT)

18.15 – 19.30 Poster session (MUT)

#### **Friday 14.09.2012**

09.00 – 11.00 Laser-Matter Interactions & XFEL (MUT)

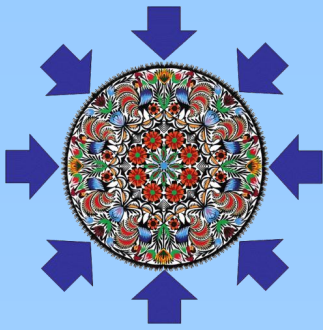
11.30 – 12.45 High-Intensity Laser Interactions (MUT)

12.45 – 13.00 Closing (MUT)

#### **Venue:**

UW – University of Warsaw

MUT – Military University of Technology



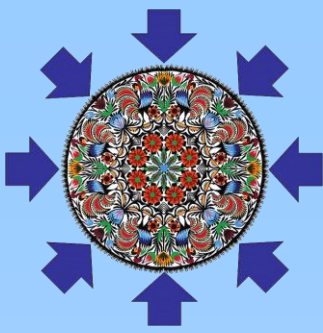
# ECLIM 2012

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### Invited Speakers (in alphabetical order)

- Hiroshi AZECHI** (ILE, Osaka, Japan) - *Present status of fast ignition realization experiment (FIREX) and Inertial Fusion Energy development*
- Jan BADZIAK** (IPPLM, Warsaw, Poland) - *Laser-induced cavity pressure acceleration of dense plasma and ion beams*
- Dimitri BATANI** (CELIA, Bordeaux, France) - *Preliminary results and scientific roadmap to direct-drive shock ignition on European laser facilities and LMJ*
- John COLLIER** (CLF, Didcot, UK) - *Developments in high peak and high average power technology and systems at RAL*
- Thomas COWAN** (HZDR, Dresden, Germany) - *Application of laser-accelerated ions in radiation oncology*
- Chris EDWARDS** (CLF, Didcot, UK) - *Prospects for laser fusion energy*
- Shalom ELIEZER** (INF, Madrid, Spain) - *Heat wave fast ignition by relativistic acceleration of a foil*
- Sergey Yu. GUSKOV** (LPI, Moscow, Russia) - *Non-cryogenic ICF targets*
- Christian GUTT** (DESY, Hamburg, Germany) - *Coherent X-ray Holography at XFELs*
- Hans HERTZ** (KTH, Stockholm, Sweden) - *Laboratory micro- and nano-imaging with liquid-jet x-ray source*
- Karol JANULEWICZ** (GIST, Gwangju, Korea) - *Energy deposition in embedded nanostructures*
- Dino JAROSZYNSKI** (SUPA, Glasgow, UK) - *Plasma as an amplifying and accelerating medium: a new paradigm*
- Milan KALAL** (CVUT, Prague, Czech Republic) - *Principles of complex interferometry and its applications in laser-matter interactions*
- Tetsuya KAWACHI** (JAEA, Kizu, Japan) - *Source development and the applications of laser-driven plasma X-ray laser in JAEA*
- Elena R. KORESHEVA** (LPI, Moscow, Russia) - *IFE targets high rep-rate production and delivery using the FST technologies*
- Ferenc KRAUSZ** (MPQ, Garching, Germany) - *Attosecond physics: the first decade*
- Christine LABAUNE** (LULI, Palaiseau, France) - *Laser-plasma interaction physics in advanced ignition schemes for ICF*
- Kunioki MIMA** (IFN, Madrid, Spain) - *Target physics of fast ignition*
- Gerard MOUROU** (IZEST, Palaiseau, France) - *Extreme light: laser-based particle physics paradigm*
- Chang Hee NAM** (KAIST, Daejeon, Korea) - *Investigation of ultrafast photoionization dynamics with attosecond high-harmonic pulses*
- Nikolay NAROZHNY** (IEP, Moscow, Russia) - *Probing of QED vacuum with superstrong laser field*
- Jose Manuel PERLADO** (UPM, Madrid, Spain) - *HiPER design and technologies*
- Vladimir B. ROZANOV** (LPI, Moscow, Russia) - *Hydrodynamical instabilities and mixing under high compression of the laser-driven targets*
- Wolfgang SANDNER** (MBI, Berlin, Germany) - *Science with high power lasers in Europe*
- Luís O. SILVA** (IST, Lisbon, Portugal) - *Collisionless shocks driven by ultra intense lasers*
- Alexander N. STARODUB** (LPI, Moscow, Russia) - *Coherency, laser-matter interaction, and ICF*
- Erik STORM** (LLNL, Livermore, USA) - *The National Ignition Campaign: Status and Progress*
- Cedric THAURY** (LOA, Palaiseau, France) - *Overview of laser-plasma electron accelerators*
- Justin WARK** (Univ. Oxford, Oxford, UK) - *Shock and High Pressure studies at XFELs*
- Tae Jun YU** (GIST, Gwangju, Korea) - *High-contrast, 30 fs, 1.5 PW Ti:sapphire laser system for the research on high field Physics*
- Philippe ZEITOUN** (LOA, Palaiseau, France) - *GW peak power plasma-based soft x-ray laser*
- Arie ZIGLER** (Hebrew Univ., Jerusalem, Israel) - *Microstructured snow target for quasi-monochromatic high energy proton acceleration by ultra relativistic laser plasma interaction*



# ECLIM 2012

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### Committies and Organizers

#### International Scientific Committee:

A. Caruso, Italy  
B. Cros, France  
S. Eliezer, Israel  
H. Fiedorowicz, Poland  
I. Földes, Hungary  
D.H.H. Hoffmann, Germany  
C.J. Joachain, Belgium  
M. Kalal, Czech Republic  
O. Krokhn, Russia  
T. Mendonca, Portugal  
D. Neely, UK  
G. Velarde, Spain

#### Local Scientific Committee:

H. Fiedorowicz, IOE-MUT (Chairman)  
A. Bartnik, IOE-MUT  
T. Pisarczyk, IFPiLM  
P. Rączka, IFPiLM  
C. Radzewicz, UW

#### Local Organizers:

H. Fiedorowicz, IOE-MUT (Chairman)  
Z. Patron, IOE-MUT (Secretary)  
E. Jankiewicz, IOE-MUT  
B. Korczyc, IOE-MUT  
J. Kostecki, IOE-MUT  
K. Płatek, IOE-MUT  
P. Wachulak, IOE-MUT  
M. Zbojna, IOE-MUT

### Conference organization



Institute of Optoelectronics  
Military University of Technology

### Main sponsor



*ESF Research Networking Programme*  
**Super-intense laser-matter interactions**



# Conference Registration & Accommodation

## Registration

The **Registration Form** available from the conference web site (<http://eclim2012.wat.edu.pl>) must be filled and sent before August 20, 2012 to: e-mail: [eclim@wat.edu.pl](mailto:eclim@wat.edu.pl) or fax: +48 22 666 8950. Please put your last name as a filename before sending.

**Early registration is encouraged and will be rewarded!**

## Registration fees

	<b>Advanced</b> Before July 31 <sup>st</sup>	<b>Late</b> After August 1 <sup>st</sup>	On-site
Standard	250 Euro	350 Euro	400 Euro
Student	100 Euro	200 Euro	300 Euro
Accompanying Person	100 Euro	100 Euro	200 Euro

### Payment:

- By bank transfer in Euros (preferable)
- By credit card (by PayPal)
- On-site

Please go to the conference web site for the payment details

### Important note:

5% processing fee will be added if using PayPal payment option.

### Participant's Registration Fee includes:

Admission to all Scientific Sessions, Poster Sessions and Commercial Exhibition, Lunches and Coffee breaks, Welcome Reception and Conference Dinner, Excursion, Conference Materials: conference bag, conference plaque, badge, final program, and book of abstracts

### Accompanying Person's Registration Fee includes:

Admission to Poster Sessions and Commercial Exhibition, Lunches and Coffee breaks, Welcome Reception and Conference Dinner, Excursion

### Applications for student rates:

Applicants must send a copy of an official student identity card, which must also be presented on-site when collecting registration materials. Student's registration is possible before July 31, 2012.

## Accommodation

Participants are responsible for booking their own accommodation. Information on the accommodation possibilities can be found at the conference web page (<http://eclim2012.wat.edu.pl>).

The pre-reservation for a number of rooms has been made in two city hotels and in the MUT guest house.