



ISL  
 Cellule Communication  
 5 rue du Général Cassagnou  
 BP 70034  
 68301 SAINT LOUIS CEDEX  
 France

### Accommodation

ISL will reserve a block of rooms at reduced rates (indicated by \*). Accommodation at reduced rates cannot be guaranteed after the room block has been filled. You can choose your hotel in the following list:

#### SAINT-LOUIS

\* Hôtel BERLIOZ  
 rue Henner - 68300 SAINT LOUIS  
 Tél. +33 (0)3 89 69 74 44  
 Fax +33 (0)3 89 70 19 17  
 www.hotelberlioz.com  
 info@hotelberlioz.com

\* Hôtel IBIS  
 17 avenue du Gal de Gaulle  
 68300 SAINT LOUIS  
 Tél. +33 (0)3 89 69 06 58  
 Fax +33 (0)3 89 69 45 03  
 www.ibishotel.com  
 h5612@accor-hotels.com

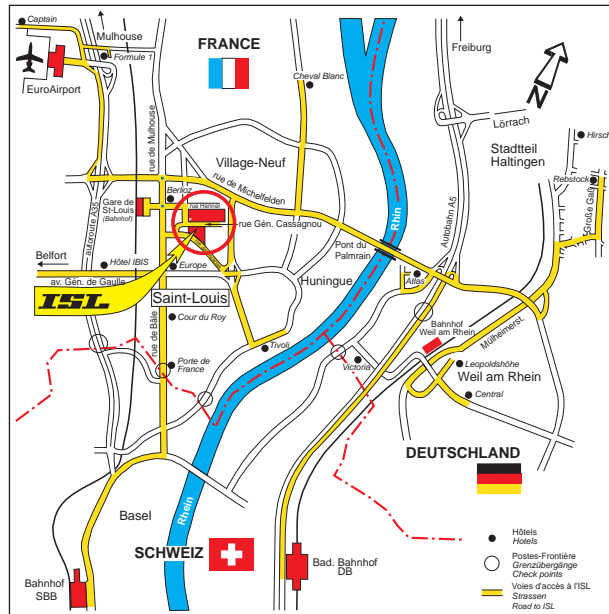
#### BLOTZHEIM (6 km / ISL - 2 km /EuroAirport)

\* Hôtel CAPTAIN  
 rue du 19 Novembre - 68730 BLOTZHEIM  
 Tél. +33 (0)3 89 68 82 82 - Fax +33 (0)3  
 89 68 86 43  
 www.captainhotel.com  
 info@captainhotel.com

#### WEIL AM RHEIN

OTT's Hotel LEOPOLDSHÖHE  
 Müllheimer Str. 4 - 79576 WEIL AM RHEIN  
 Tel. +49 (0)7621/9 80 60  
 Fax +49 (0)7621/9 80 62 99  
 leo@ottshotel.de  
 www.otts-hotel-leopoldshoehede.de

ATLAS Hotel  
 Alte Str. 58 - 79576 WEIL AM RHEIN  
 Tel. +49 (0)7621/70 70  
 Fax +49 (0)7621/70 76 50  
 www.atlashotel.de



ISL is situated in Saint-Louis (France) near the German and Swiss borders.

### Office

5 rue du Général Cassagnou  
 BP 70034  
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# 1st Announcement

## ISL HPM Defense & Security Workshop

March 9, 2011

Saint-Louis - Alsace (FR)

French-German Research Institute of Saint-Louis



French-German Research  
 Institute of Saint-Louis

www.isl.eu

# ISL HPM Defense & Security Workshop

High-power microwaves are currently the subject of an increase of interest in defense applications, such as area protection and countering IEDs, as well as civil applications like car stopping. Non-lethal capabilities and action range are of key importance. On the other side, dirty weapons, emerging from the diversion of domestic microwave technologies are of primary concern in overseas theaters and mass transportation facilities or financial centers. Legal and ethical issues are also to be considered together with the society's acceptance of the use of electromagnetic radiations.

This Workshop aims to review recent advances on high-power microwaves technologies for defense and security, specifically:

- Narrow-band up to ultra-wideband sources, tubes, pulse forming lines, antennas, etc.
- High-voltage power supply and energy storage/transformation chain, including batteries for mobile systems
- Specific metrology
- Embedded/portable systems
- Dedicated proving ground facilities
- Biological effects
- Military and civil doctrine.

This Workshop should promote the emergence of future cooperation between academia, governmental agencies and industries, and help to identify the needs in HPM areas in Europe.

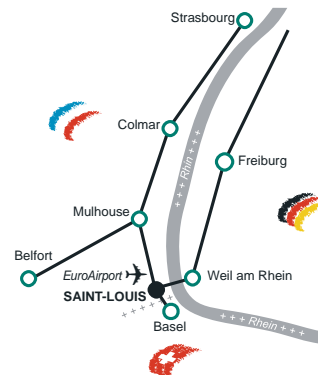
The Workshop is organized within the framework of ISL's Symposium on Electrical Engineering, and the European Pulsed Power Laboratories (EPPL).



*The French-German Research Institute of Saint-Louis (ISL) is a binational institute established by the French Republic and the Federal Republic of Germany on the basis of a treaty signed in 1958. ISL was founded as a homogeneous binational research institute with its own legal personality. ISL is placed under the authority of a board of directors with three German members and three French members assisted by a scientific Advisory Council for scientific matters. The original mission of ISL was: «Research, scientific studies and basic predevelopment in the armament domain».*

*The classical working areas of ISL include: acoustics, detonics, development of laser sources, high-power electronics, optronics and sensors, protection and environment of soldiers, aerodynamics and flight mechanics, ballistics, laser-matter interaction, high-power microwaves.*

*In a network of partnerships with other European institutes, technical and scientific services and industrial partners, ISL offers its scientific and technological competence to the Ministries of Defence for the development of new technologies to ensure the current and future capabilities of the armed forces. The technological concept of the BMVg and the corresponding document of the DGA in France have led ISL to focus its capabilities on key multi-disciplinary projects; i.e. threat characterisation and protection against improvised explosive devices (IEDs), nanomaterials, light-weight medium-calibre weapons and guided supersonic projectiles.*



## HPM Defense & Security Workshop

March 9, 2011

French-German Research Institute of Saint-Louis (ISL)

### Registration form

Access to ISL being restricted and only granted upon registration, please send us back your registration form before January 31, 2011.

An identity card or passport will be asked at the entrance to ISL.

#### Please return to:

ISL, Communication Unit, 5 rue du Général Cassagnou, BP 70034

68301 SAINT LOUIS CEDEX – FRANCE

Tel: +33 (0)3 89 69 53 18 – e-mail: communication@isl.eu – Fax: +33 (0)3 89 69 58 58

Surname: .....

First name: .....

Date of birth: ..... Place of birth: .....

Nationality: .....

Passport No. and date of delivery: .....

Firm, enterprise or public entity: .....

Job, function: .....

Address: .....

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Zip code: ..... City: .....

Phone number: .....

Fax number: .....

E-mail: .....

### Call for paper

Do you intend to present a paper  yes  no

If you do, please send an abstract with name of author, organization and title (300 words) by January 31, 2011 to:

ISL Communication Unit: [communication@isl.eu](mailto:communication@isl.eu)