

# International Summer School

**DEFENCE  
SECURITY  
CYBER**

# Cyber



**2015 Programme  
6 - 10 July**

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Université de Bordeaux,  
Pôle Juridique et Judiciaire,  
35 place Pey-Berland,  
33 000 BORDEAUX

Limited number of places



# DSC Summer School

## **DSC: a cross-disciplinary approach focused on innovation**

From an education and training perspective, DSC is France's first summer school geared towards three professional sectors: defence, security and cyber. DSC has to be viewed in the context of global security – internal and external security – with particular attention to be given to industrial and cyber-digital security technologies. DSC places the emphasis on current professional issues and on content focused on innovation and forward planning.

## **Expert speakers**

DSC's speakers are private and public professional specialising in these three sectors, together with university academics from all disciplines specialising in security issues.

## **A wide range of participants**

The Summer School is open to private-sector professionals (defence, security and cyber), sovereign professionals (civilians, law enforcement officials, the military), as well students at Master level. The working languages will be French and English.

## **Interactive teaching**

The programme will be run in small groups, using interactive teaching methods to foster exchanges. The session will be structured around an annual theme (1/4 of the course), the remainder consisting in miscellaneous lectures based around the technological dimension and innovation.

### Activities during the programme

The Summer School will be complemented by visits and tours (Laser Megajoule, "Côte d'Argent" Rafale squadron at Mont-de-Marsan, Dassault assembly line (subject to change)).

The Forum Montesquieu will issue DSC certificates to all participants who complete the course.



# Defence – Security – Cyber

## July 2015

**Keynote lecture: "Democracies facing the new global threats"**  
**Sir David Omand GCB**

Former director of the Government Communication Headquarters and advisor to Prime Minister Tony Blair on security and intelligence

Theme for the 2015 Session: **"Robots, SALA and drones: issues surrounding the automation of security and defence"**

*The legal issues surround the robotisation of the battlefield*  
(Dr Eric J. Pomes, CREC Saint-Cyr)

*The military use of drones: technical and ethical issues*  
(Colonel J.-Christophe Noël, CAPS-Min. des Aff. Etr.)

*Drones in airspace: "retex" on armament programmes and the challenges of civilian drones*  
(Luc Boureau, Airbus DS)

*Thinking ahead to the automation of future air weapons systems*  
(Gal (2s) Jean-Marc Laurent, Chaire D&A)

### Miscellaneous

*Is French strategic doctrine autonomous?*  
(Dr Olivier Zajec, Associate Professor, University of Lyon III)

*The situation of the Levant in the Near- and Middle East*  
(Dr Pierre Razoux, Director of Research, IRSEM-Ecole militaire)

*The African peace and security architecture: appropriation and Africanization under cover of external support to the continent*  
(Dr Patrick Ferras, CSBA).

*The French defence economy in its European environment*  
(Dr Jean Belin, Associate Professor, chaire IHEDN)

*European defence: capability and industrial ambitions*  
(Guillaume de La Brosse, Strategy and Policy Officer, European Defence Agency)

*The world market in military satellites*  
(Pierre Lionnet, ASD-Eurospace)

*Overview of business confidentiality*

(Claude Revel, Interministerial Delegate for Economic Intelligence/Dr Floran Vadillo, University of Bordeaux-CMRP)

*Adapting the maintenance of law and order to new forms of violence*

(Colonel of the gendarmerie Pierre Casaubieilh, commander of the CNFEG)

*The importance of Big Data technologies in the context of Defence and Security applications*

(Dr Stephan Brunessaux and Alexandre Papaemmanuel, Airbus DS CIS)

*Big-data mapping at the service of strategic and territorial intelligence*

(Dr Guillaume Farde, Associate Director, Spallian)

*Processing and analysing information: methods and security tools*

(Dr Philippe Capet, Ektimo)

*Photonics and its industrial applications*

(Hervé Floch, Managing Director, Route des Lasers Competitiveness Cluster)

*Official cyber doctrines in China*

(Dr. Daniel Ventre, CNRS (CESDIP/GERN), Holder of the "Cyber défense et Cyber sécurité Saint-Cyr Sogeti Thales" Chair)

*Acting in the semantic dimension of cyberspace*

(Dr François-Bernard Huyghe, Director of Research, IRIS)

*Adapting the armed forces to cyber threats*

(Air Force Brigadier General Bruno Maurice, commanding the air assault brigade in support of aviation manoeuvres, chairman of the Ministry of Defence's specialist "Cybersecurity" Commission)

*ISS law in its international context*

(Dr Eve Tourny)

*Exploiting intelligence: the role of the strategic analyst*

(Lisa Laynet, analyst, Ministry of the Interior)



# Organisers

The Excellence Initiative (IDEX) and the Forum Montesquieu of the University of Bordeaux are hosting the first session of the "Defence-Security-Cyber" (DSC) international summer school in July 2015.

## The Excellence Initiative (IdEX)

The Initiative of Excellence is a comprehensive, coherent program of investments intended to launch and nurture a dynamic of long-term growth and development in higher education and research activities in and around Bordeaux, centered on the University of Bordeaux.

## The Forum Montesquieu

The Forum Montesquieu is a centre for societal innovation dedicated to creating a new platform for research, professional development and teaching in the fields of law and political science.

## Sébastien-Yves Laurent

Professor at the Faculty of Law and Political Science at the University of Bordeaux, where he is Joint Head of the Trilingual Master's degree, "Global security and analysis", Sébastien-Yves Laurent also teaches at Sciences-Po Paris and the IEP of Bordeaux. A member of the Conseil supérieur de la formation et de la recherche stratégiques (CSFRS), he conducts cross-disciplinary research into security issues.

# Defence

## Support and Partners

Alpha – Route des lasers Competitiveness Cluster

Airbus DS

General Secretariat for Defence and National Security,  
"Development of security technologies" Centre

European Defence Agency

Chaire « Défense et Aérospatial »

Chaire IHEDN « Economie de défense »

Chaire « Cyber défense et Cyber sécurité Saint-Cyr Sogeti Thales »

Centre Montesquieu de recherches politiques

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