



**2022**

STRASBOURG UNIVERSITY

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## **THORACIC SURGERY**

ADVANCED COURSES

**March 24 - 26**

**VIDEO-ASSISTED THORACIC SURGERY  
VATS AND RATS**

**September 8 - 9**

**ROBOTIC ASSISTED THORACIC SURGERY**



## IRCAD: INNOVATION & EXCELLENCE FOR SURGERY

The IRCAD offers an exceptional training facility, welcoming over 7,200 surgeons a year from all surgical specialties. It is considered one of the leading surgical education providers in the world in the field of minimally invasive surgery. With the world's top experts, the perfect mix between theoretical sessions and hands-on practice, and the latest generation of robots, this IRCAD experience will answer all your needs.

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### FULL IMMERSION IN THORACIC SURGERY

**March 24-26**

**VIDEO-ASSISTED THORACIC SURGERY  
VATS AND RATS**

This curriculum is designed to meet the requirements of experienced thoracoscopic surgeons who are considering starting a VATS program. Fellows and residents as well as thoracic surgeons with limited experience in advanced thoracoscopic procedures will also benefit from sharing their experience with experts and colleagues. The course will focus on technological aspects, approaches, use and location of access incisions, all major pulmonary resections including segmentectomies and advanced procedures, tips and tricks, and analysis and management of complications.

**September 8-9**

**ROBOTIC ASSISTED THORACIC SURGERY**

For nearly 30 years, advances in minimally invasive surgery have demonstrated several benefits for patients. Robotic surgery has emerged as the most advanced minimally invasive platform, with notable improvements in thoracoscopic surgery.

The objectives of this course are: to describe the latest practices in the standardization of robotic thoracic procedures, to provide a blueprint to build robotic surgical teams, and to emphasize non-technical skills that are important in developing a robotic thoracic program.

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### COURSE CANCELLATION POLICY

Should you wish to cancel or postpone your registration, please notify us by email at: [cancellation@ircad.fr](mailto:cancellation@ircad.fr). Please note that no refund or postponement will be considered for any cancellation received less than 6 weeks before the course starts, even if Visa application has been denied.

Please check our website to see the specific cancellation policy due to the COVID-19 sanitary situation.

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# INTERNATIONAL FACULTY OF EXPERTS

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## FACULTY PANEL

K. Amer (GB)	M. Durand (FR)	F. Melfi (IT)	M. Tedde (BR)
T. Batchelor (GB)	P.E. Falcoz (FR)	D. Oh (US)	P.A. Thomas (FR)
J.M. Baste (FR)	R. Flores (US)	P.B. Pages (FR)	G. Veronesi (IT)
F. Becmeur (FR)	D. Gonzalez Rivas (ES)	C. Peillon (FR)	W. Walker (UK)
G. Boddart (FR)	D. Gossot (FR)	R. Petersen (DK)	J.M. Wihlm (FR)
I. Bouabdallah (FR)	M. Grigoriu (RO)	K. Pfeuty (FR)	H.S. Wu (TW)
E. Brian (FR)	C.C. Huang (TW)	A. Seguin (FR)	K. Yasufuku (CA)
H. Decaluwé (BE)	S. Jheon (KR)	A. Sihoe (HK)	K. Zannis (FR)
J. Dunning (GB)	T. Kohno (JP)	S. Swanson (US)	

## March 24-26

### VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

#### COURSE DIRECTORS

D. Gossot (FR)      J.M. Baste (FR)      P.E. Falcoz (FR)

## September 8-9

### ROBOTIC ASSISTED THORACIC SURGERY

#### COURSE DIRECTORS

J.M. Baste (FR)      W.C. Hanna (CA)



**2022**  
STRASBOURG UNIVERSITY

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## **VIDEO-ASSISTED THORACIC SURGERY VATS AND RATS**

ADVANCED COURSE

DATES

**March 24-26**

COURSE DIRECTORS

**D. Gossot** (FR)

**J.M. Baste** (FR)

**P.E. Falcoz** (FR)

**ircad**  
France

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# MARCH 24

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## VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

7:45 am ○ REGISTRATION AND WELCOMING OF PARTICIPANTS

8:05 am ○ OPTIONS B AND C

### **THEORETICAL SESSION**

#### Current and forthcoming technologies for advanced thoracoscopic procedures

- > Electromagnetic bronchial navigation for surgeons
- > Current instrumentation and imaging systems
- > Forthcoming instrumentation and imaging systems
- > Preoperative modeling: applications for major pulmonary resections

#### Current and forthcoming technologies for robotically assisted procedures

#### Different approaches: Pro and Cons

- > Single port thoracoscopic approach
- > Multiport anterior thoracoscopic approach
- > Multiport thoracoscopic posterior approach
- > Subxiphoid thoracoscopic approach
- > Alternate and less usual approaches
- > Robotically assisted approach

#### Postoperative management at the time of minimally invasive techniques

- > Chest tube management
- > RAAC for VATS and RATS
- > Pain management: Open vs. VATS vs. RATS

1:00 pm ○ LUNCH AT THE INSTITUTE

2:00 pm ○ OPTIONS B AND C

### **VIDEO SESSION**

#### Tips and tricks

- > Exposure
- > Vascular control
- > Fissure and parenchymal division

3:00 pm ○ OPTIONS B AND C

### **PRACTICAL SESSION - TRAINING ON LIVE TISSUE (MINI-PIGS)**

#### VATS procedures

- > Fissure completion
- > Incision and opening of the mediastinal pleura overlying the left lung hilum
- > Dissection of the common pulmonary vein and cranial lobar vein
- > Division of the cranial lobar vein with linear autostaplers or vessel-sealing devices
- > Dissection and division of the cranial lobar bronchus with linear autostaplers
- > Dissection of the pulmonary arteries one by one and dividing them with linear autostaplers or vessel-sealing devices
- > Left caudal lobectomy

6:30 pm ○ END OF SESSION

EVENING FREE

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# MARCH 25

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## VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

7:45 am ○ EVALUATION OF THE PREVIOUS DAY

8:00 am ○ OPTIONS B AND C

### LECTURE

Introduction to sublobar resections

8:30 am ○ OPTIONS B AND C

### VIDEO SESSION

VATS and RATS lobectomies

Main technical steps and tricks with different standpoints

- > Lower / right upper / left upper / middle lobectomies
- > Two “easy” segmentectomies: Lingulectomy, S6
- > Complex segmentectomies
- > Lymph node dissection

12:00 pm ○ LUNCH AT THE INSTITUTE

1:00 pm ○ OPTIONS B AND C

### VIDEO SESSION

VATS and RATS lobectomies

Main technical steps and tricks with different standpoints

- > Thoracoscopic left approach
- > Thoracoscopic bilateral approach
- > Thoracoscopic subxiphoid approach
- > Robotic approach

2:00 pm ○ PRACTICAL SESSION

OPTION B

### TRAINING ON LIVE TISSUE (MINI-PIGS)

VATS procedures

- > Fissure completion
- > Incision and opening of the mediastinal pleura overlying the left lung hilum
- > Dissection of the common pulmonary vein and cranial lobar vein
- > Division of the cranial lobar vein with linear autostaplers or vessel-sealing devices
- > Dissection and division of the cranial lobar bronchus with linear autostaplers
- > Dissection of the pulmonary arteries one by one and dividing them with linear autostaplers or vessel-sealing devices
- > Left caudal lobectomy

OPTION C

### TRAINING ON LIVE TISSUE (MINI-PIGS) AND SIMULATORS

RATS procedures

Development of technical skills in RATS: from basic skills and procedural skills using virtual simulation to live models with LUL and lymphadenectomy in pig models

5:30 pm ○ END OF SESSION

8:00 pm ○ DINNER IN HONOR OF PARTICIPANTS

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# MARCH 26

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VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

8:15 am ◦ EVALUATION OF THE PREVIOUS DAY

8:30 am ◦ OPTIONS B AND C

**THEORETICAL SESSION**

Advanced techniques and technologies

- > Training on animal model
- > Training on cadaver model
- > Simulation for the VATS surgeon
- > Preventing and simulating complications (conference)

Troubleshooting complications in VATS and RATS surgery:  
description, management and prevention

- > Lessons learned from a European survey
- > My complications: how many? What did occur?  
How did I manage it? Which lesson learnt?

12:00 pm ◦ LUNCH AT THE INSTITUTE

END OF COURSE

DELIVERY OF THE CERTIFICATES OF ATTENDANCE

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## COURSE OBJECTIVES

- > To cover a broad spectrum of surgical procedures in VATS and RATS procedures
- > To provide indications for surgical treatment and discuss operative complications
- > To allow a real-time discussion between the experts and the trainee surgeons
- > To provide hands-on sessions to improve skills in VATS / RATS surgery through practice on live tissue (mini-pigs) or simulators under expert tutorial
- > To describe postoperative clinical results and practical applications of evidence-based clinical medicine

## EDUCATIONAL METHODS

- > Interactive theoretical and video sessions between Faculty and course participants
  - > Pre-recorded operative demonstrations
  - > Training on live tissue (mini-pigs) or simulators under expert tutorial
- 

YOU CAN EITHER  
REGISTER ONLINE FOR  
IRCAD COURSES AT  
[WWW.IRCAD.FR](http://WWW.IRCAD.FR)



Or scan this QR code to directly  
register for this course.



# 2022 - REGISTRATION FORM

VIDEO-ASSISTED THORACIC SURGERY - VATS AND RATS

ENGLISH-SPEAKING COURSE

Dr./Prof. Family name .....

First name .....

Professional address .....

.....

Zip code .....

City .....

Country .....

Phone ..... Mobile phone .....

Email .....

March 24-26

Course registration without hotel accommodation

OPTION B (no ROBOT training) - Limited to 20 participants ..... 1,980 €

OPTION C (with ROBOT training) - Limited to 14 participants ..... 1,980 €

Course registration with **hotel accommodation / IRCAD package** (Les Haras Hotel\*\*\*\*)

**3 nights, in a single room, breakfasts, and city tax included** (check-in March 23, check-out March 26)

OPTION B (no ROBOT training) - Limited to 20 participants ..... 2,517 €

OPTION C (with ROBOT training) - Limited to 14 participants ..... 2,517 €

Additional night: March 26 ..... 179 €

## Payment:

Please bill my credit card:  VISA   MC   AMEX 

N° | | | | | | | | | | | | | | | | | | | | Expiry Date | | / | | Security code | | | | |

I accept the cancellation policies (see page 2 and page 16)

## REGISTRATION FEES INCLUDE

- > Theoretical sessions
- > Pre-recorded operative demonstrations
- > **Training sessions on live tissue (mini-pigs) and/or simulators (according to the option)**
- > Coffee breaks and lunches
- > One dinner
- > European CME credits (ECMECs)

NAME & SIGNATURE:

The IRCAD complies with the French data protection act known as « Informatique et Libertés » and with the European General Data Protection Regulation (GDPR).



**2022**  
STRASBOURG UNIVERSITY

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## **ROBOTIC ASSISTED THORACIC SURGERY**

ADVANCED COURSE

DATES

**September 8-9**

COURSE DIRECTORS

**J.M. Baste** (FR)

**W.C. Hanna** (CA)

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# SEPTEMBER 8

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## ROBOTIC ASSISTED THORACIC SURGERY

7:45 am ◦ REGISTRATION AND WELCOMING OF PARTICIPANTS

8:00 am ◦ **DIDACTIC LECTURE**

History and Development of Robotic Surgery

**Robotic Anatomic Lung Resection**

- > Review of literature
- > Standard robotic lobectomy (5 lobectomies)
- > Segmentectomy and complex image-guided segmental resection
- > Advanced and complex procedures: sleeve resections, pancoast tumors

**Robotic Resection of Anterior Mediastinal Tumors**

- > Review of literature
- > Thymectomy for myasthenia gravis
- > Thymectomy for early-stage thymoma
- > Thymectomy for advanced stage thymoma

12:30 pm ◦ LUNCH AT THE INSTITUTE

1:30 pm ◦ **PRACTICAL SESSION  
TRAINING ON LIVE TISSUE (MINI-PIGS) AND SIMULATORS**

- > Development of technical skills in RATS: from basic skills and procedural skills using virtual simulation to live models with LUL and lymphadenectomy in pig models

6:00 pm ◦ END OF SESSION

8:00 pm ◦ DINNER IN HONOR OF PARTICIPANTS

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# SEPTEMBER 9

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## ROBOTIC ASSISTED THORACIC SURGERY

7:45 am ◦ EVALUATION OF THE PREVIOUS DAY

8:00 am ◦ **DIDACTIC LECTURES**

Robotic Resection of Middle and Posterior Mediastinal Tumors

Robotic Esophagectomy: different approaches

Robotic Training

- > Technical skills
- > Educational and evaluation models

Safety and Performance Measurement

- > Non-Technical skills in robotic surgery
- > Data collection and quality Improvement Initiatives
- > Surgical CRM (crisis resource management) in robotic surgery

Research and Innovation in Robotic Thoracic Surgery

- > Medico-economic evaluation
- > New instruments and future Innovations
- > New and emerging robotic platforms

12:30 pm ◦ LUNCH AT THE INSTITUTE

1:30 pm ◦ **PRACTICAL SESSION  
TRAINING ON LIVE TISSUE (PIGS) AND SIMULATORS**

- > Development of technical skills in RATS: from basic skills and procedural skills using virtual simulation to live models with LUL and lymphadenectomy in pig models

6:00 pm ◦ END OF SESSION  
DELIVERY OF CERTIFICATES OF ATTENDANCE



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## COURSE OBJECTIVES

- > To cover a broad spectrum of surgical procedures in RATS procedures
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Or scan this QR code to directly  
register for this course.



# 2022 - REGISTRATION FORM

## ADVANCED COURSE IN ROBOTIC ASSISTED THORACIC SURGERY

ENGLISH-SPEAKING COURSE / LIMITED TO 14 PARTICIPANTS

Dr./Prof. Family name .....  
First name .....  
Professional address .....  
.....  
Zip code .....  
City .....  
Country .....  
Phone ..... Mobile phone .....  
Email .....

**September 8-9**

- Course registration without hotel accommodation ..... **1,940 €**
- Course registration with **hotel accommodation / IRCAD package** (Les Haras Hotel\*\*\*\*) ..... **2,298 €**  
*2 nights, in a single room, breakfasts, and city tax included*  
(check-in September 7, check-out September 9)
- Additional night: September 9 ..... **179 €**

### Payment:

Please bill my credit card:  VISA   MC   AMEX 

N° | | | | | | | | | | | | | | | | | | Expiry Date | | / | | | Security code | | | | |

**I accept the cancellation policies (see page 2 and page 16)**

### REGISTRATION FEES INCLUDE

- > Theoretical sessions
- > Pre-recorded operative demonstrations
- > **Training sessions on live tissue (mini-pigs) and simulators**
- > Coffee breaks and lunches
- > One dinner
- > European CME credits (ECMECs)

NAME & SIGNATURE:

# THE IRCAD PACKAGE - LES HARAS\*\*\*\*

LESS THAN 50 METERS FROM THE INSTITUTE



## HOTEL CANCELLATION POLICY

If you wish to cancel or modify your hotel booking, please do not contact the hotel directly, send us a notification by email at: [cancellation@ircad.fr](mailto:cancellation@ircad.fr). Cancellations received earlier than 10 days before the beginning of the course are eligible for full hotel refund. After that deadline, a one-night deposit will be deducted from your refund.

## BOOKING POLICY

The deadline for hotel booking is **10 days before the course**. Unfortunately IRCAD cannot guarantee room availability past that deadline. Bookings are made on a first-come, first-served basis. In case of non-availability, we shall do our best to reaccommodate you in a nearby hotel of equal standard.



SCAN THIS QR CODE FOR  
MORE INFORMATION  
ABOUT THE HOTEL

Or visit [les-haras-hotel.com](http://les-haras-hotel.com)





# STRASBOURG, CAPITAL OF EUROPE

AT THE HEART OF THE ALSACE REGION



The historic heart of Strasbourg, bordered by the picturesque Petite France quarter, its thousand-year-old Gothic cathedral, its numerous winstubs, its multiple and varied cultural offer, make the city a first-choice destination in Alsace. Since 1988, Strasbourg's city center is inscribed on UNESCO's World Heritage list.

Alsace is a cultural and historical region sharing a border with Germany and Switzerland, with a wide variety of breathtaking sceneries.



It is a region known for its authenticity and famous for its wines. People from the world over come to discover the Wine route, especially during spring.

French gastronomy also attracts a lot of tourists as it is considered to be one of the most refined in the world with many Michelin-starred restaurants, as well as the rich cultural life which is easily accessible to both its inhabitants and tourists.

In Winter, the Alsace region is a must-see, and especially Strasbourg, which has been known as the Christmas capital since the first Christmas market in 1570. People from the world over come every year in winter to contemplate the city with its fairytale and traditional settings, and especially its typical "Christkindelsmärik".

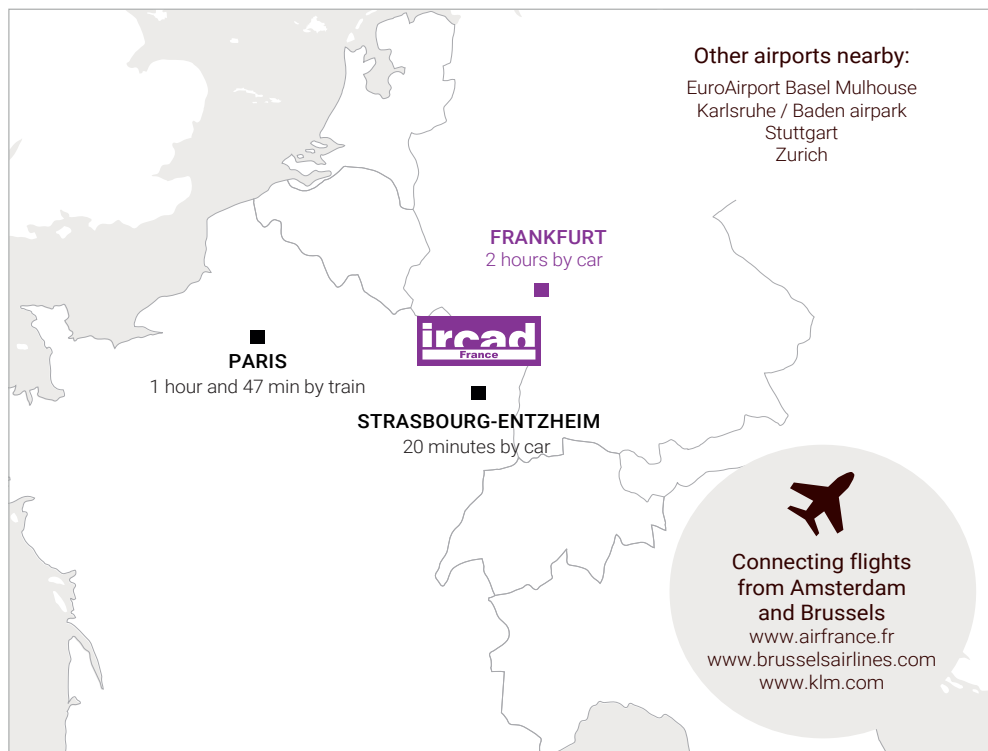


SCAN THIS QR CODE FOR  
MORE INFORMATION  
ABOUT ALSACE

Or visit [www.visit-alsace](http://www.visit-alsace)

# HOW TO GET TO IRCAD

GETTING TO THE INSTITUTE COULDN'T BE EASIER!



## THE IRCAD RECOMMENDS

### FROM FRANKFURT AIRPORT

170 km on highway / 2 hours  
Lufthansa shuttle bus (6 times a day)  
[www.lufthansa.com](http://www.lufthansa.com)



OR

Private car service  
[www.vtctravel.fr](http://www.vtctravel.fr)



### FROM STRASBOURG-ENTZHEIM INTERNATIONAL AIRPORT

18 km / 20 min



OR

### FROM PARIS CHARLES DE GAULLE INTERNATIONAL AIRPORT

1 hour 47 min on high-speed train





## FREE ONLINE TRAINING ON [WWW.WEBSURG.COM](http://WWW.WEBSURG.COM)

WebSurg is the **charge-free** online university of the IRCAD, specialized in **minimally invasive surgery** and created by surgeons for surgeons. It has become the international online reference for surgical training in minimally invasive surgery with more than **430,000 members** worldwide and more than **4,000 videos** available in 10 different specialties.

*Register and get access to an extensive resource of free-access and certified surgical content!*

The IRCAD is certified as a comprehensive Accredited Education Institute (AEI) by the American College of Surgeons (ACS).

This course is accredited by the European Accreditation Council for Continuing Medical Education (EACCME), Institution of the European Union of Medical Specialists (EUMS), to provide CME credits to European medical specialists in their home country. This IRCAD course meets the criteria for the American Medical Association (AMA) Physician's Recognition Award (PRA) Category 1 Credit(s)<sup>™</sup>. Physicians may apply to convert EACCME credits into AMA PRA Category 1 Credit(s)<sup>™</sup>.

IRCAD courses are endorsed by the European Association for Endoscopic Surgeons (EAES).

The thoracic course is endorsed by the European Society of Thoracic Surgeons (ESTS).



Courses organized with the support of



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