

Minimally Invasive Cardiac Surgery  
and Non Conventional Interventional Cardiology

[www.mics2018.it](http://www.mics2018.it)  
[www.mitralacademy.it](http://www.mitralacademy.it)

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**MICS**  
**2018**  
Mitral Conferences

The Mitral Conferences  
*promoted by*  
Mitral Academy

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**JUNE 8-9, 2018**  
**ROME ITALY**



President **MICS 2018**  
Giuseppe Speziale

Conference Directors **MICS 2018**  
David Adams  
Khalil Fattouch  
Patrizio Lancellotti

# MICS 2018

Mitral Conferences

*President MICS 2018*  
**Giuseppe Speziale**

*Conference Directors MICS 2018*

**David Adams**  
**Khalil Fattouch**  
**Patrizio Lancellotti**

*MICS 2018 is compliant with:*



*Endorsed by:*



**EACVI**  
European Association of  
Cardiovascular Imaging  
European Society of Cardiology





# WELCOME ADDRESS

Research, innovation,  
interdisciplinary approach:  
these are the major  
pillars of MICS.

## GIUSEPPE SPEZIALE

National Coordinator Cardiac Surgical  
Units, GVM Care&Research,  
Vice President GVM Care&Research

MICS 2018 is a two-day symposium focused specifically on the newest issues of minimally and ultra-minimally invasive and robotic mitral, tricuspid, atrial fibrillation surgery and less conventional catheter based mitral procedures.

This Conference is organized by the Mitral Academy, a cultural association whose goals include a common work platform dedicated to the progress gained in the medical-scientific field by mitral valve surgery.

MICS 2018 is addressed to cardiac surgeons, interventional and non-interventional cardiologists, anesthesiologists and perfusionists involved in minimally invasive mitral valve surgery, ranging from basic diagnosis to advanced treatment.

World Opinion Leaders in this field have been invited as Faculty to share their experience with the audience.

Giuseppe Speziale

# THE MITRAL ACADEMY



MITRAL ACADEMY

## AN INSTITUTION FOR MITRAL EXCELLENCE

The process of repairing the mitral valve is complex and requires a long learning and training curve.

In addition, a surgeon's performance may vary over time. This is the reason why a continuous monitoring and mentoring system is necessary.

The Mitral Academy therefore arises out of the need to establish a real 'cultural platform', a meeting point for heart surgeons 'keen on' mitral surgery, where sharing mitral culture at a different level can be possible.

The Mitral Academy is made up by international cardiac surgeons, opinion leaders who will use a formal - theoretical and practical - teaching system, in different periods of the year.

Fellowships are foreseen as integral parts of the practical-theoretical training course.

## *Academy Directors:*

### **DAVID ADAMS / 1**

Professor and Chairman of the Department of Cardiovascular Surgery, The Mount Sinai Hospital, New York (USA)

### **KHALIL FATTOUCH / 2**

Professor and Lead Clinician, Department of Cardiac Surgery, Maria Elenora Hospital, GVM Care&Research, Palermo (Italy)

### **PATRIZIO LANCELLOTTI / 3**

Professor and Head of Intensive Care Cardiology Unit, Professor of Clinical Medicine, University of Liège (Belgium)





## Faculty Board MICS 2018:

### **OTTAVIO ALFIERI / 4**

Professor of Cardiac Surgery,  
S. Raffaele University Hospital, Milan (Italy)

### **GILLES DREYFUS / 5**

Professor of Cardiovascular Surgery,  
University René Descartes, Paris  
and Professor of Cardiovascular Surgery,  
Imperial College, London (France / UK)

### **GEBRINE EL KHOURY / 6**

Head of Cardiovascular and Thoracic Surgery  
Department at Saint-Luc Hospital  
and Professor at Université Catholique  
de Louvain (UCL), Brussels (Belgium)

### **ROBERTO FERRARI / 7**

Chair of Cardiology, University of Ferrara (Italy)

### **GINO GEROSA / 8**

Professor of Cardiac Surgery, Padua University and Head  
of Cardiac Surgery Unit, Padua University Hospital (Italy)

### **ROBERT J.M. KLAUTZ / 9**

Professor and Chair Department  
of Cardio-Thoracic Surgery  
Leiden University Medical Center  
Leiden (The Netherlands)

### **RUEDIGER LANGE / 10**

Head of Department of Heart and Vascular Surgery,  
German Heart Centre, Munich (Germany)

### **AZEEM LATIB / 11**

Senior Interventional Cardiologist  
Interventional Cardiology Unit  
San Raffaele Hospital and EMO-GVM  
Centro Cuore Columbus, Milan (Italy)

### **THOMAS MODINE / 12**

Consultant Cardiac Surgeon  
and Structural Heart Specialist, Chru de Lille (France)  
and Jiaotong University, Shanghai (China)

### **LUC PIERARD / 13**

Head of Department of Cardiology,  
University Hospital Sart Tilman, Liège (Belgium)  
Chair, ESC Council in Valvular Heart Disease

### **GIUSEPPE TARANTINI / 14**

Professor and Head of Interventional Cardiology,  
University of Padua (Italy)

### **SHUICHIRO TAKANASHI / 15**

Sakakibara Heart Institute,  
Department of Cardiovascular Surgery, Tokyo (Japan)

# FRIDAY 8 JUNE

# st DAY

8.00 Registration and Coffee

8.20 Welcome Address

**8.50-9.50**

## SESSION 1 INDICATIONS FOR TREATMENT

*Chairs:*

**G. Dreyfus, M. Garbi, R. Rosenhek**

Timing of mitral valve repair for degenerative mitral regurgitation

**Y. Okada**

Timing of mitral valve surgery in secondary mitral regurgitation

**R. Klautz**

Timing for mitral valve surgery in endocarditis

**P. Lancellotti**

Heart team in the mitral valve pathway: myth or reality?

**M. Massetti**

Valve remodeling in degenerative mitral regurgitation

**T. Asai**

Q&A

*Discussants:* **A. Albertini, R. Gregorini, G. Mazzesi**

**9.50-10.40**

## SESSION 2 JOINT SESSION WITH SIECVI

*Chairs:*

**F.E. Agrò, F. Benedetto, C. Zito**

Main echo findings useful for surgery in functional mitral regurgitation

**G. La Canna**

Novelties in 3D echocardiography

**M. Pepi**

Mitral regurgitation associated with aortic valve disease: pearls and pitfalls from echo

**F. Antonini-Canterin**

2D and 3D Echo useful for repair in degenerative Mitral Regurgitation

**P. Lancellotti**

Q&A

*Discussants:* **S. Carerj, P. Caso, R. Citro**

**10.40-11.30**

## SESSION 3 DEGENERATIVE MITRAL VALVE DISEASE

*Chair:*

**R. De Paulis, F. Miraldi, L. Monti**

The Morphology: Learning how to Strategize like a Reference Surgeon

**D. Adams**

The symptoms - Truly vs not asymptomatic patient

**R. Rosenhek**

The ventricle - Normal vs "subclinical" vs over systolic dysfunction

**M. Garbi**

Pulmonary pressure

**P. Lancellotti**

Q&A

*Discussants:* **S. Caparrotti, G. Mottola, C. Zebele**

## **11.30-12.00**

### **LIVE IN BOX SURGICAL TECHNIQUES: HOW I REPAIR**

*Chairs:* **D. Adams, K. Fattouch, R. Klautz**

The Posterior leaflet

**G. El Khoury**

The Fuji Technique

**H. Arai**

Anterior leaflets

**R. Lange**

Commissures

**G. Dreyfus**

Bi leaflets

**D. Adams**

Butterfly technique

**T. Asai**

Relock approach

**G. Speziale,  
M. Moscarelli**

Q&A

*Discussants:* **E. Coscioni, M. Glauber, C. Mignosa**

## **12.00-12.20**

### **KEYNOTE LECTURE**

*Presented by* **K. Fattouch**

Raising Our Standards

**D. Adams**

Q&A

**12.30-13.45 Lunch**

## **13.45-14.55**

### **SESSION 4 MINIMALLY INVASIVE SURGERY**

*Chairs:* **M. Diena, R. Lange, M. Rinaldi**

Why to start minimally invasive mitral valve surgery program

**M. Glauber**

Patients selection

**K. Fattouch**

Robotic surgery

**F. Musumeci**

Total videoscopic minimally invasive approach

**L. Salvador**

Periareolar approach

**M. Solinas**

3-port 3D endoscopic mitral valve surgery using "windows technique"

**T. Ito**

Q&A

*Discussants:* **E. Greco, D. Paparella**

## **14.55-15.25**

### **GLADIATORS SESSION MINIMALLY INVASIVE AS STANDARD OF CARE**

*Chairs:* **D. Adams, G. El Khoury, R. Klautz**

1. Sternotomy and robotic are the gold standard  
**G. Dreyfus**
2. Endoscopy minimally invasive approach for all  
**R. Lange**

## **15.25-16.05**

### **KEYNOTE LECTURES**

*Presented by* **K. Fattouch**

The 100% repair and 100% minimally invasive

**G. Speziale**

Mitral Valve repair in endocarditis

**G. El Khoury**

## **16.05-17.00**

### **SESSION 5 LONE AND CONCOMITANT ATRIAL FIBRILLATION**

*Chairs:* **S. Iacopino, C. Lavalle, C. Muneretto**

Concomitant AF surgery

**C. Muneretto**

Lone AF surgery Patient Selection

**A. Curnis**

Lone AF surgery

**G. Nasso**

Hybrid approach to lone AF

**G. De Martino**

Q&A

*Discussants:* **M. Ciccone, C. Comoglio, G. Del Prete**

**ADJ**

**SATURDAY  
9 JUNE**

**2<sup>nd</sup>  
DAY**

**8.30-9.30**

**SESSION 6  
JOINT SESSION  
WITH GISE-SICCH  
TRANSCATHETER MITRAL  
AND TRICUSPID APPROACH**

*Chairs:*

**A. Marchese, T. Modine, S. Tonioni**

Transcatheter direct mitral valve annuloplasty

**F. Maisano**

Transcatheter indirect mitral valve annuloplasty

**A. Latib**

Transcatheter mitral replacement: clinical update and rationale

**T. Modine**

Transcatheter valve in valve or valve in ring

**C. Grasso**

Percutaneous solutions for secondary TR

**A. Latib**

Q&A

*Discussants:*

**R. Lange, M. Mancone, T. Tesorio**

**9.30-10.10**

**SESSION 7  
MITRALCLIP**

*Chairs:*

**D. Dudek, F. Fedele, F. Romeo**

Indication and Real world experience

**Y. Ohno**

Quantitation of mitral regurgitation

**L. Pierard**

2D and 3D echo for percutaneous Mitral therapy

**A. Berrebi**

Q&A

*Discussants:*

**F. De Felice, A. Latib, L. Patanè**

**10.10-11.00**

## **SESSION 8 TRANSAPICAL PROCEDURES**

*Chairs:*

**D. Adams, G. Gerosa, O. Alfieri**

Transapical off pump chordal implantation:  
devices and outcomes

**L. Martinelli**

Transapical mitral valve annuloplasty

**G. Gerosa**

Transapical mitral valve replacement

**T. Modine**

Transapical valve in valve and valve in ring

**M. Cassese**

Q&A

*Discussant:*

**C. Antona, G. Iannelli, G. Luzi**

**11.00-11.50**

## **SESSION 9 CONCOMITANT TRICUSPID REGURGITATION**

*Chairs:*

**M. Chello, R. Di Bartolomeo, M. Di Biase**

Functional tricuspidal and right ventricular  
anatomy

**A. Calafiore**

When to treat concomitant tricuspid  
regurgitation

**M. De Bonis**

Annuloplasty and adjunctive techniques

**G. Dreyfus**

New criteria for TV repair based on its  
morphology; 3D echo measurements of TV  
annulus

**S. Takanashi**

Q&A

*Discussants:*

**R. Coppola, V. Fiorani, P. Fratto**

**11.50-12.00**

## **Mitral Academy Awards Ceremony**

**12.00-13.00**

## **KEYNOTE LECTURES**

*Presented by*

**G. Speziale**

The future of Heart Valve Therapy

**O. Alfieri**

*Presented by*

**A. Marchese**

The Interventional Cardiology view  
in transcatheter coronary  
and structural interventions

**A. Colombo**

*Presented by*

**G. Speziale**

The future of Cardiology

**R. Ferrari**

**13.00-13.30**

Q&A

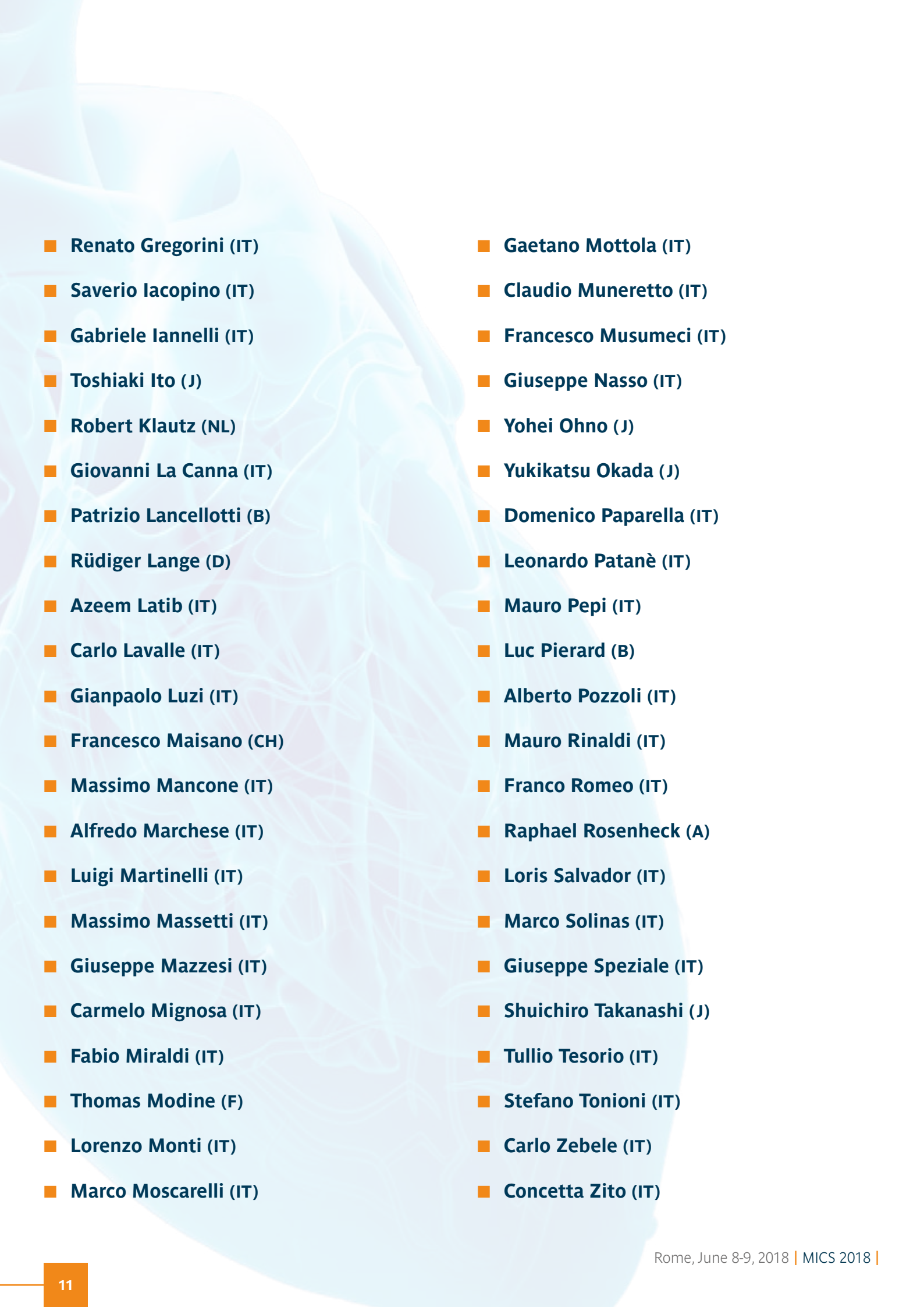
**13.30-13.40**

Closing Remarks

# MICS FACULTY

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- David Adams (USA)
- Felice Eugenio Agrò (IT)
- Alberto Albertini (IT)
- Ottavio Alfieri (IT)
- Carlo Antona (IT)
- Francesco Antonini-Canterin (IT)
- Hirokuni Arai (J)
- Thoru Asai (J)
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- Mattia Di Biase (IT)
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- Gilles Dreyfus (F)
- Dariusz Dudeck (PL)
- Gebrine El Khoury (B)
- Khalil Fattouch (IT)
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- Roberto Ferrari (IT)
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- Carmelo Grasso (IT)
- Ernesto Greco (IT)

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  - Saverio Iacopino (IT)
  - Gabriele Iannelli (IT)
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  - Robert Klautz (NL)
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  - Patrizio Lancellotti (B)
  - Rüdiger Lange (D)
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  - Massimo Massetti (IT)
  - Giuseppe Mazzesi (IT)
  - Carmelo Mignosa (IT)
  - Fabio Miraldi (IT)
  - Thomas Modine (F)
  - Lorenzo Monti (IT)
  - Marco Moscarelli (IT)
  - Gaetano Mottola (IT)
  - Claudio Muneretto (IT)
  - Francesco Musumeci (IT)
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  - Luc Pierard (B)
  - Alberto Pozzoli (IT)
  - Mauro Rinaldi (IT)
  - Franco Romeo (IT)
  - Raphael Rosenheck (A)
  - Loris Salvador (IT)
  - Marco Solinas (IT)
  - Giuseppe Speziale (IT)
  - Shuichiro Takanashi (J)
  - Tullio Tesorio (IT)
  - Stefano Tonioni (IT)
  - Carlo Zebele (IT)
  - Concetta Zito (IT)



## GENERAL INFORMATION

### SCIENTIFIC INFORMATION

#### CONFERENCE VENUE

Pontificia Università Urbaniana  
Via Urbano VIII, 16 00120 Rome - Italy

#### CME ACCREDITATION

The Conference has been assigned **n. 9,8 Italian CME credits** for Physicians (angiology, cardiology, internal medicine, cardiac surgery, general surgery, physical medicine, respiratory medicine, thoracic surgery, vascular surgery, anaesthesia and resuscitation, hygiene, epidemiology and public healthcare, occupational medicine and safety at work, general medicine (family doctors), cardio-circulatory physiopathology and cardiovascular perfusion Technicians and Nurses.

**Provider ECM:** Maria Cecilia Hospital (Provider n. 3409)

**Training objective:** Technical-professional contents (knowledge and expertise) specific of each profession, specialisation and ultra-speciality activity.

#### OFFICIAL LANGUAGE

English is the official language of the Conference.  
Simultaneous translation will be provided.

#### ATTENDANCE CERTIFICATES

Attendance Certificates will be made out upon request to all Participants at the end of the Conference.

#### LUNCH AND COFFEE POINTS

Lunch and coffee points will be served in the Conference venue.

### REGISTRATION

■ On-site Registration: € 500,00 (Vat Included)

The Registration fee includes:

- Admission to scientific sessions
- Entrance in the exhibition area
- Conference kit
- Coffee Points and Lunch
- Attendance Certificate

#### BADGE COLOURS

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# MICS 2018

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**ORGANIZING SECRETARIAT**

**MICS 2018** is promoted  
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