



**EURO CTO CLUB**  
**Berlin 2019**

**11<sup>th</sup> Experts Live CTO**  
The annual Euro CTO meeting

**Final Program**

**September**  
**13<sup>th</sup> – 14<sup>th</sup>, 2019**

**Berlin, Germany**

**Course Directors**

**Gerald S. Werner,**  
Darmstadt, Germany  
**Ulf Landmesser,**  
Berlin, Germany  
**Alexander Bufe,**  
Krefeld, Germany  
**Kambis Mashayekhi,**  
Bad Krozingen, Germany

**Co-Course Director /  
Live Case Coordinator**

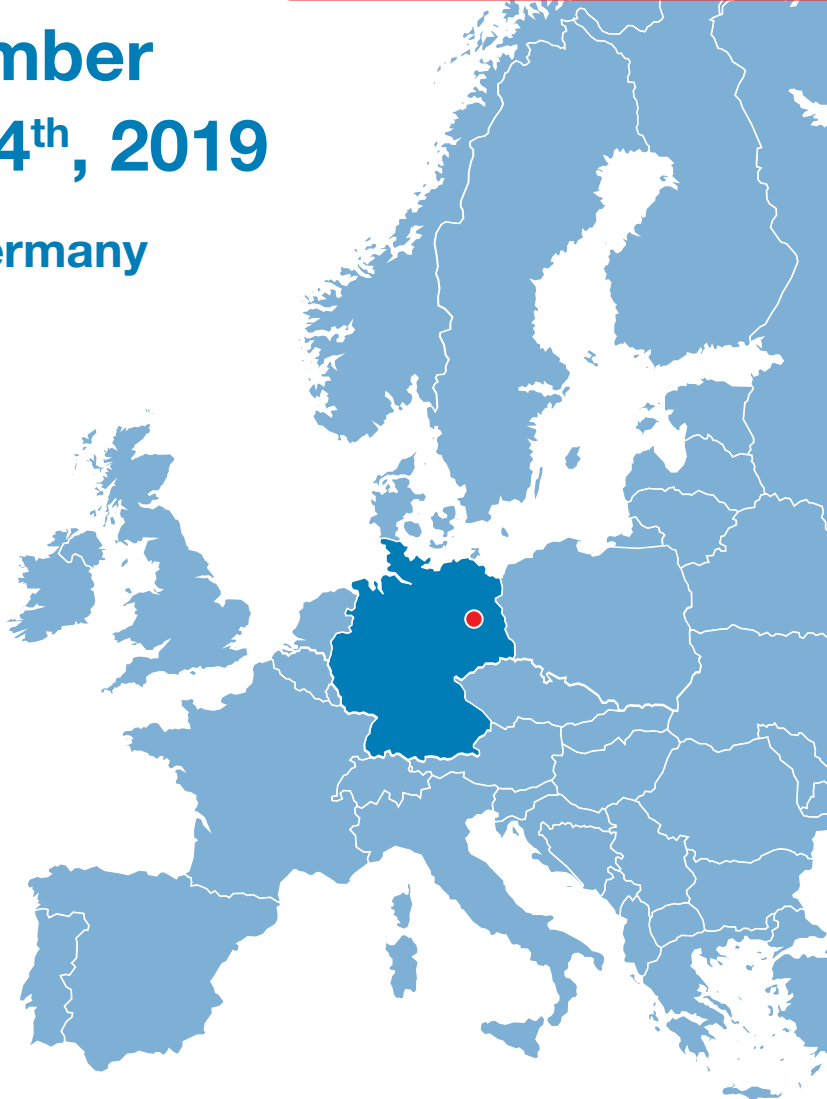
**Alexander Lauten,**  
Berlin, Germany

**ECC-President**

**George Sianos,**  
Thessaloniki, Greece

**Congress Coordinator**

**Gerald S. Werner,**  
Darmstadt, Germany



[www.eurocto2019.eu](http://www.eurocto2019.eu)



# IMDS

INTERVENTIONAL MEDICAL  
DEVICE SOLUTIONS

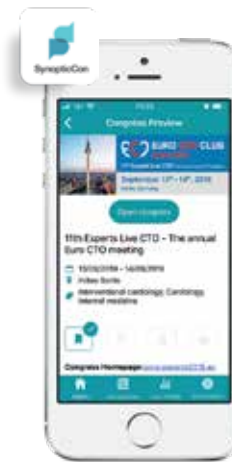


## VERSATILE FRONTLINE SUPPORT CATHETER

# RE-CROSS

## INDEX

|  |    |
|--|----|
| <b>SCIENTIFIC PROGRAM:</b> Friday, September 13 <sup>th</sup> , 2019   | 07 |
| <b>SCIENTIFIC PROGRAM:</b> Saturday, September 14 <sup>th</sup> , 2019 | 13 |
| <b>FACULTY</b>   | 17 |
| <b>EURO CTO CLUB</b>   | 20 |
| <b>SPONSORS</b>  | 26 |
| <b>GENERAL INFORMATION</b>   | 28 |



### CONFERENCE-APP SYNOPTICCON

**YOUR PERSONAL ASSISTANT** at the 11<sup>th</sup> Experts Live CTO –  
The annual Euro CTO meeting

See the complete scientific program and agenda with all the details of the talks and sessions on your smartphone.

### GET THE SYNOPTICCON MULTI CONGRESS APP

... for free in the stores of IOS and Android – simply scan the QR code with your smartphone. Or use the following link:  
<https://app.synopticcon.com/congresses/873/schedule>

After installing the app the desired congress can be downloaded from a list of available congresses.



**COURSE DIRECTORS**



**Gerald S. Werner,**  
Darmstadt, Germany



**Ulf Landmesser,**  
Berlin, Germany



**Alexander Bufe,**  
Krefeld, Germany



**Kambis Mashayekhi,**  
Bad Krozingen, Germany

**Dear Colleagues,  
Dear Friends,**

Interventional therapy of chronic total occlusions has developed into a subspecialty of percutaneous coronary intervention with a procedural outcome comparable to non-CTO lesions if performed by trained and experienced operators.

The goal of the annual meeting of the European CTO club since its inaugural meeting 10 years ago has been to provide a forum of education and interactive discussion of the new developments in the treatment of CTO lesions. This includes both the presentation and discussion of new devices and the critical review of new technical approaches and strategies.

For five years we included live case transmissions to illustrate these new techniques and enhance the discussion in an interactive way with world renowned surgeons. The case selection aims at an incremental presentation of cases from seemingly low to higher complexity, thus providing contents for the already experienced, but also for those aspiring to become experts in this field of PCI.

Aside from the practical demonstration of techniques this year will focus on discussing

- the increasing number of studies performed in the field of CTOs, and we shall provide an up-to-date overview of current knowledge.
- We also shall provide a new interactive forum to present cases by the participants in a challenging case contest hosted by the Board of the Euro CTO Club.

**CO-COURSE DIRECTOR /  
LIVE CASE COORDINATOR**



**Alexander Lauten,**  
Berlin, Germany

**ECC-PRESIDENT**



**George Sianos,**  
Thessaloniki, Greece

With Berlin in the center of Europe, we offer you both an attractive location and a geographically ideal site to meet and discuss exciting topics.

We look forward to meeting all of you in Berlin.

**Gerald Werner, Ulf Landmesser, Alexander Bufe, Kambis Mashayekhi**  
Course Directors

**Alexander Lauten**  
Co-Course Director

**Gerald S. Werner**  
Congress Coordinator

**George Sianos**  
Euro CTO Club President

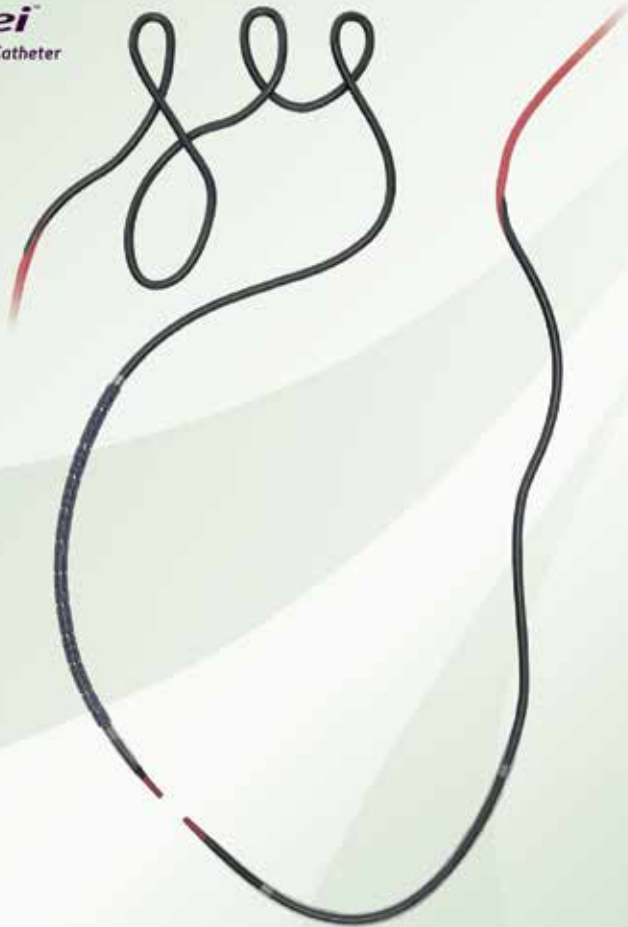
# COMPLEX PCI SIMPLE SOLUTIONS

**Ultimaster™ Tansei™**

Sirolimus Eluting Coronary Stent System

**Ryurei™**

PTCA Dilatation Catheter



PUSHING BOUNDARIES

**TERUMO**  
INTERVENTIONAL  
SYSTEMS



Not all products are available for sale in all countries. This information is provided only in respect to markets where these products are approved or cleared. Not all products are cleared or approved in the U.S.A. by the Food and Drug Administration. Please contact your Terumo local sales representative for more information.

## SCIENTIFIC PROGRAM

Friday, September 13<sup>th</sup>, 2019

|               |  |
|---------------|--|
| 07:00         | <b>Registration</b>  |
| 08:00 – 10:45 | <b>Session 1</b><br><b>CTO PCI Case selection and antegrade approach</b><br>Chairmen: Gerald Werner, Germany; Masahisa Yamane, Japan; Prathap Kumar, India |
| 08:00         | <b>Ischemia and viability – How to select the right patient</b><br>Nicolas Boudou, Toulouse, France  |
| 08:10         | <b>Plan the approach based on the angiogram</b><br>Markus Meyer-Geßner, Düsseldorf, Germany  |
| 08:20         | <b>Radiation management in CTO PCI</b><br>Carlo Maccia, Paris, France  |
| 08:30         | <b>The essentials of guide wires for CTOs</b><br>Masahisa Yamane, Sayama City, Japan   |
| 08:50         | <b>Antegrade – Step-by-step approach</b><br>Alexander Bufe, Krefeld, Germany   |
| 09:00         | <b>Parallel wire using dual-lumen catheters</b><br>Gerald S. Werner, Darmstadt, Germany  |
| 09:05         | <b>Where is the role for Antegrade dissection reentry?</b><br>Elliot Smith, London, Great Britain  |

|               |  |
|---------------|--|
| 09:15 – 10:45 | <p><b>LIVE CASE 1 and 2</b><br/>         Discussants: Sergey Furkalo, Ukraine; Gabriele Luigi Gasparini, Italy; Imre Ungi, Hungary; Harald Lapp, Germany; Jaroslaw Wójcik, Poland</p> <p><b>Live Case 1, presented by Boston Scientific</b><br/>         Alfredo Galassi, Palermo, Italy; Bernward Lauer, Jena, Germany</p> <p><b>Live Case 2, presented by Boston Scientific</b><br/>         Kambis Mashayekhi, Bad Krozingen, Germany; Alexandre Avran, St Laurent Du Var, France</p> |
| 10:45         | Coffee break, e-poster and exhibition  |
| 11:15 – 13:15 | <p><b>Session 2</b><br/> <b>The Euro CTO Club</b><br/>         Chairmen: George Sianos, Greece; Ulf Landmesser, Germany</p>  |
| 11:15         | <p><b>Welcome by the Organisers</b><br/>         Ulf Landmesser, Berlin, Germany; Gerald S. Werner, Darmstadt, Germany; George Sianos, Thessaloniki, Greece</p>  |
| 11:25         | <p><b>CTO PCI – How it all started and where it will go</b><br/>         Osamu Katoh, Toyohashi, Japan</p>   |
| 11:40         | <p><b>CTO PCI – How it all started in Europe</b><br/>         Nicolaus Reifart, Wuppertal, Germany</p>   |
| 11:50         | <p><b>CTO PCI today – A summary of recent publications</b><br/>         Carlo Di Mario, London, Great Britain</p>  |
| 12:10         | <p><b>What are the questions to be answered by future studies in CTOs?</b><br/>         Ulf Landmesser, Berlin, Germany</p>  |

|               |   |
|---------------|---|
| 12:20         | <p><b>LIVE CASE 3</b><br/>         Discussants: Hans Bonnier, Belgium; Nenad Bozinovic, Serbia; Evald Høj Christiansen, Denmark; Thomas Gehrig, Germany; Eugenio La Scala, France</p> <p><b>Live Case 3, presented by ASAHI</b><br/>         Avran, Alexandre, France; Alexander Bufe, Krefeld, Germany</p> |
| 13:15         | Lunch break, e-poster and exhibition  |
| 14:00 – 16:30 | <p><b>Session 3</b><br/> <b>CTO PCI : Retrograde approach</b><br/>         Chairmen: Osamu Katoh, Japan; Nicolaus Reifart, Germany; Hsien-Li Kao, Taiwan</p>  |
| 14:00         | <p><b>LIVE CASE 4</b><br/>         Discussants: Artis Kalnins, Latvia; Alessio La Manna, Italy; Bernward Lauer, Germany; Bertrand Ledermann, France; Maciej Lesiak, Poland</p> <p><b>Live Case 4, presented by ASAHI</b><br/>         Masahiko Ochiai, Kanagawa, Japan; Harald Lapp, Erfurt, Germany</p>    |
| 14:50         | <p><b>Microcatheters for antegrade and retrograde approach</b><br/>         George Sianos, Thessaloniki, Greece</p>   |
| 15:05         | <p><b>Retrograde approach step-by-step</b><br/>         Kambis Mashayekhi, Bad Krozingen, Germany</p>   |
| 15:20         | <p><b>Debate: Is there a difference between RDR and reverse CART? – No</b><br/>         Dimitri Karpaliotis, New York, USA</p>  |
| 15:30         | <p><b>Debate: Is there a difference between RDR and reverse CART? – Yes</b><br/>         Hsien-Li Kao, Taipei, Taiwan</p>   |
| 15:40         | <p><b>Conclusion</b><br/>         All discussants</p>   |

|               |  |
|---------------|--|
| 15:45         | <p><b>LIVE CASE 5</b><br/>Discussants: Andrea Gagnor, Italy; Fabrice Leroy, France; Aigar Lismanis, Latvia; Michael Pieper, Switzerland; Heinz Joachim Büttner, Germany</p> <p><b>Live Case 5, presented by TERUMO</b><br/>Gerald S. Werner, Darmstadt, Germany; Kumar, Prathap, India</p> |
| 16:30         | Coffee break, e-poster and exhibition  |
| 17:00 – 18:00 | <p><b>Session 4</b><br/><b>Complication management in CTOs</b><br/>Chairmen: Dimitri Karpaliotis, USA; Alfredo Galassi, Italy</p>  |
| 17:00         | <p><b>Published data on CTO complications</b><br/>Nikolaos Konstantinidis, Thessaloniki, Greece</p>  |
| 17:10         | <p><b>Perforation management of the CTO vessel</b><br/>Heinz Joachim Büttner, Freiburg, Germany</p>  |
| 17:20         | <p><b>Perforation management of collaterals</b><br/>Kambis Mashayekhi, Bad Krotzingen, Germany</p>   |
| 17:30         | <p><b>Specific complications with ADR</b><br/>Dimitri Karpaliotis, New York, USA</p>   |
| 17:40         | <p><b>Trapped devices – Leave it or retrieve it?</b><br/>Andrea Gagnor, Turin, Italy</p>   |
| 17:50         | <p><b>Summary of the cases of today</b><br/>All operators</p>  |

|               |   |
|---------------|---|
| 18:00 – 19:00 | <p><b>Session X</b><br/>„Case competition“<br/>Chairmen: Alexander Bufe, Krefeld, Germany; Kambis Mashayekhi, Bad Krotzingen, Germany</p> |
| 20:00         | <p><b>Congress Dinner (tickets have to be booked in advance)</b><br/>Meeting Point: Lobby Hilton Hotel 19:30</p>                          |

**LIVE CASES presented by:**



**IVUS in CTO: optimize your results!**

Join us at Euro CTO Club, Silverbooth 4 or visit  
[www.philips.de/healthcare](http://www.philips.de/healthcare)

## SCIENTIFIC PROGRAM

Saturday, September 14<sup>th</sup>, 2019

|               |   |
|---------------|---|
| 07:30 – 08:30 | <b>Breakfast Symposium Teleflex</b>   |
|               | <p><b>Welcome and introduction</b><br/>Chris Buller, Canada</p> <p><b>Setting up for Success: Advanced guide extensions to simplify your cases</b><br/>Gerald S. Werner, Darmstadt, Germany</p> <p><b>Integrating Microcatheters into Complex Interventions: How to use torqueable Microcatheters to your advantage</b><br/>Kambis Mashayekhi, Germany</p> <p><b>Maintaining Distal Guidewire position: Trapping basics and the optimal use of guide extensions with integrated trapping balloon</b><br/>Elliot Smith, Great Britain</p> <p><b>Q&amp;A and Closing remarks</b><br/>Gerald S. Werner, Darmstadt, Germany</p> |
| 08:45 – 11:15 | <p><b>Session 5</b><br/><b>How to manage specific problems in CTO PCI</b><br/>Chairmen: Alexander Bufe, Germany; Masahiko Ochiai, Japan; Prathap Kumar, India</p>   |
| 08:45 – 10:15 | <p><b>LIVE CASE 6 and 7</b><br/>Discussants: Rostyslav Prog, Germany; Sinisa Stojkovic, Serbia; Carlo Tumscitz, Italy; Omer Goktekin, Turkey; Joachim Weber-Albers, Germany</p> <p><b>Live Case 6, presented by ASAHI</b><br/>Hsien-Li Kao, Taipei, Taiwan; Markus Meyer-Geßner, Düsseldorf, Germany</p> <p><b>Live Case 7, presented by IMDS</b><br/>George Sianos, Thessaloniki, Greece; Tim Schäufele, Bern, Switzerland</p>   |

**WITH YOU**  
TREATING CTO



**MASTER THE COMPLEX™**

|               |  |
|---------------|--|
| 10:15         | <b>CTO and bifurcation</b><br>Thierry Lefèvre, Massy, France   |
| 10:25         | <b>Optimize guide catheter support</b><br>Fabrice Leroy, Lille, France   |
| 10:35         | <b>What to do if you cannot cross the proximal cap?</b><br>Prathap Kumar, Kollam, India  |
| 10:45         | <b>Or if antegrade balloon cannot pass?</b><br>Imre Ungi, Szeged, Hungary  |
| 10:55         | <b>Or if microcatheter cannot pass collateral?</b><br>Gabriele Luigi Gasparini, Rozzano, Italy   |
| 11:05         | <b>Or if reverse CART does not work?</b><br>Alessio La Manna, Catania, Italy   |
| 11:15         | Coffee break, e-poster and exhibition  |
| 11:45 – 14:30 | <b>Session 6<br/>Critical issues in CTO PCI</b><br>Chairmen: Roberto Garbo, Italy; Alexandre Avran, France; Kenya Nasu, Japan  |
| 11:45         | <b>LIVE CASE 8</b><br>Discussants: Jaroslaw Wójcik, Poland; Luca Grancini, Italy; Zisis Dimitriadis, Germany; Pietro Mazzarotto, Italy; Patrick Siegrist, Zurich, Switzerland<br><br><b>Live Case 8, presented by Terumo</b><br>Nicolas Boudou, Toulouse, France; Mark Rosenberg, Aschaffenburg, Germany |

|               |  |
|---------------|--|
| 12:30         | <b>Intracoronary Imaging – When to use, how to use and how to interpret the images</b><br>Roberto Garbo, Turin, Italy  |
| 12:40         | <b>Which CTO should be treated by PCI or CABG &amp; The specific problems of PCI for post CABG patients</b><br>Gerald S. Werner, Darmstadt, Germany  |
| 12:50         | Lunch break, e-poster and exhibition   |
| 13:45         | <b>LIVE CASE 9</b><br>Discussants: Alessio La Manna, Italy; Luca Grancini, Italy; Jaroslaw Wójcik, Poland; Pietro Mazzarotto, Italy; Zisis Dimitriadis, Mainz, Germany<br><br><b>Live Case 9, presented by ASAHI</b><br>Masahisa Yamane, Sayama City, Japan; Jürgen Arenz, Recklinghausen, Germany |
| 14:30 – 16:30 | <b>Session 7<br/>Clinical issues in CTO PCI</b><br>Chairmen: Carlo Di Mario, Great Britain; Georgios Sianos, Greece  |
| 14:30 – 15:15 | <b>LIVE CASE 10</b><br>Discussants: Guy Heyndrickx, Belgium; Sudhir Rathore, Great Britain; Markus Meyer-Gefßner, Germany; Jaroslaw Wójcik, Poland<br><br><b>Live Case 10, presented by IMDS</b><br>Roberto Garbo, Turin, Italy; Jörg Dalibor, Dresden, Germany                                    |
| 15:15         | Coffee break, e-poster and exhibition  |
| 15:45         | <b>CTO PCI and length of dual antiplatelet regimen</b><br>Maciej Lesiak, Poznan, Poland  |
| 15:55         | <b>CTO and atrial fibrillation – Do we apply the ESC recommendations?</b><br>Sudhir Rathore, Canberley, Great Britain  |
| 16:05         | <b>Novel antegrade wire dissection techniques</b><br>Alfredo Galassi, Palermo, Italy   |
| 16:15         | <b>CTO PCI failure – When to try again?</b><br>Bernward Lauer, Jena, Germany   |



|               |   |
|---------------|---|
| 16:25         | <b>Summary of Live Cases and Critical Discussion</b><br>Panel with Live Operators |
| 16:40 – 16:45 | <b>Closing remarks</b><br>George Sianos, Thessaloniki, Greece                     |
| 17:00         | <b>ECC General Assembly</b>   |

**LIVE CASES presented by:**



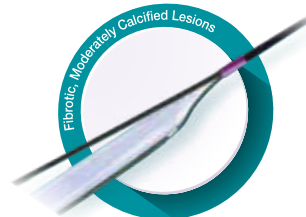
## Simplify the Complex



**TELEPORT®**  
Microcatheter  
Unique Hybrid Design  
For Optimal Durability



**SAPPHIRE® II PRO 1.0 mm**  
Semi-Compliant Balloon  
Lesion Crossing After Wiring



**SCOREFLEX® NC**  
Non Compliant Scoring Balloon  
Plaque Modification

**Your Optimal Choice for Lesion Management**

## FACULTY

**THE EURO CTO CLUB CORDIALLY THANKS THE INVITED SPEAKERS FOR SUPPORTING THE WORKSHOP WITH THEIR KNOWLEDGE AND EXPERTISE:**

### GUEST FACULTY

Karpaliotis, Dimitri, USA  
Kao, Hsien-Li, Taiwan  
Katoh, Osamu, Japan

Ochiai, Masahiko, Japan  
Yamane, Masahisa, Japan

### LIVE OPERATORS

Avran, Alexandre, France  
Boudou, Nicolas, France  
Galassi, Alfredo, Italy  
Garbo, Roberto, Italy  
Kao, Hsien-Li, Taiwan  
Kumar, Prathap, India

Mashayekhi, Kambis, Germany  
Ochiai, Masahiko, Japan  
Sianos, George, Greece  
Werner, Gerald S., Germany  
Yamane, Masahisa, Japan

### LIVE CASE FACILITATORS

Arenz, Jürgen, Germany  
Avran, Alexandre, France  
Bufe, Alexander, Germany  
Dalibor, Jörg, Germany  
Lapp, Harald, Germany

Lauer, Bernward, Germany  
Meyer-Geßner, Markus, Germany  
Rosenberg, Mark, Germany  
Schäufele, Tim, Switzerland

### SPEAKERS

Boudou, Nicolas, France  
Büttner, Heinz Joachim, Germany  
Bufe, Alexander, Germany  
Buller, Chris, Canada  
Di Mario, Carlo, Great Britain  
Gagnor, Andrea, Italy  
Galassi, Alfredo, Italy  
Garbo, Roberto, Italy  
Gasparini, Gabriele Luigi, Italy  
Karpaliotis, Dimitri, USA  
Kao, Hsien-Li, Taiwan

Katoh, Osamu, Japan  
Konstantinidis, Nikolaos, Greece  
Kumar, Prathap, India  
La Manna, Alessio, Italy  
Landmesser, Ulf, Germany  
Lauer, Bernward, Germany  
Lefèvre, Thierry, France  
Leroy, Fabrice, France  
Lesiak, Maciej, Poland  
Maccia, Carlo, France  
Mashayekhi, Kambis, Germany

**Meyer-Geßner, Markus**, Germany  
**Rathore, Sudhir**, Great Britain  
**Reifart, Nicolaus**, Germany  
**Sianos, George**, Greece

**Smith, Elliot**, Great Britain  
**Werner, Gerald S.**, Germany  
**Yamane, Masahisa**, Japan

#### CHAIRMEN

**Avran, Alexandre**, France  
**Bufe, Alexander**, Germany  
**Di Mario, Carlo**, Great Britain  
**Galassi, Alfredo**, Italy  
**Garbo, Roberto**, Italy  
**Katoh, Osamu**, Japan  
**Kao, Hsien-Li**, Taiwan  
**Karpalotis, Dimitri**, USA

**Kumar, Prathap**, India  
**Landmesser, Ulf**, Germany  
**Mashayekhi, Kambis**, Germany  
**Ochiai, Masahiko**, Japan  
**Reifart, Nicolaus**, Germany  
**Sianos, George**, Greece  
**Werner, Gerald**, Germany  
**Yamane, Masahisa**, Japan

#### DISCUSSANTS

**Bonnier, Hans**, Belgium  
**Bozinovic, Nenad**, Serbia  
**Büttner, Heinz Joachim**, Germany  
**Christiansen, Evald Høj**, Denmark  
**Carlino, Mauro**, Italy  
**Furkalo, Sergey**, Ukraine  
**Gagnor, Andrea**, Italy  
**Gasparini, Gabriele Luigi**, Italy  
**Gehrig, Thomas**, Germany  
**Goktekin, Omer**, Turkey  
**Grancini, Luca**, Italy  
**Kalnins, Artis**, Latvia  
**La Manna, Alessio**, Italy  
**Lapp, Harald**, Germany  
**La Scala, Eugenio**, France  
**Lauer, Berward**, Germany

**Ledermann, Bertrand**, France  
**Lesiak, Maciej**, Poland  
**Leroy, Fabrice**, France  
**Lismanis, Aigars**, Latvia  
**Martin-Yuste, Victoria**, Spain  
**Mazzarotto, Pietro**, Italy  
**Meyer-Geßner, Markus**, Germany  
**Pieper, Michael**, Switzerland  
**Prog, Rostyslav**, Germany  
**Siegrist, Patrick**, Switzerland  
**Stojkovic, Sinisa**, Serbia  
**Tumscitz, Carlo**, Italy  
**Ungi, Imre**, Hungary  
**Weber-Albers, Joachim**, Germany  
**Wójcik, Jaroslaw**, Poland

## INNOVATIONS to SIMPLIFY INTERVENTIONS

Guideliner  
Catheter

TwinPass  
Dual Access Catheters

Trapliner  
Catheter

SuperCross  
Micro Catheters

Turnpike  
Catheters

R350  
Guidewire Catheter



Visit us at Booth N°5

## EURO CTO CLUB MEMBERS

### PRESIDENT

**George Sianos**  
AHEPA University Hospital  
Thessaloniki, Greece

### PAST PRESIDENT

**Alfredo R. Galassi**  
University of Palermo  
Palermo, Italy

### BOARD

**Alexandre Avran**  
Arnault Tzanck Institute  
St Laurent du Var  
Nice, France

### TREASURER

**Hans Bonnier**  
University Hospital Brussels  
Brussels, Belgium

### FOUNDING MEMBERS

**Hans Bonnier**, Belgium  
**Heinz Joachim Büttner**, Germany  
**Carlo Di Mario**, Italy  
**Dariusz Dudek**, Poland

### COORDINATOR MEMBERS

**Hans Bonnier**, Belgium  
**Nicolas Boudou**, France  
**Alexander Bufe**, Germany  
**Evald Høj Christiansen**, Denmark  
**Alfredo R. Galassi**, Italy  
**Valeri Gelev**, Bulgaria  
**Anthony Gershlick**, United Kingdom

### PRESIDENT ELECT

**Carlo Di Mario**  
Institute Imperial College  
London, United Kingdom

### BOARD

**Roberto Garbo**  
San Giovanni Bosco Hospital  
Turin, Italia

### BOARD

**Alexander Bufe**  
HELIOS Klinikum  
Krefeld, Germany

**Alfredo R. Galassi**, Italy  
**Nicolaus Reifart**, Germany  
**George Sianos**, Greece  
**Gerald S. Werner**, Germany

**Artis Kalnins**, Lithuania  
**Jacques Koolen**, Netherlands  
**Victoria Martin Yuste**, Spain  
**George Sianos**, Greece  
**Daniel Weilenmann**, Switzerland  
**Jaroslav Wójcik**, Poland

### FULL MEMBERS

**Belgium**  
**Bonnier, Hans**  
**Dens, Jo**  
**Heyndrickx, Guy**

**Bulgaria**  
**Gelev, Valeri Ljubenov**

**Denmark**  
**Christiansen, Evald Høj**

**Germany**  
**Arenz, Jürgen**  
**Bufe, Alexander**  
**Büttner, Heinz Joachim**  
**Dalibor, Joerg**  
**Gehrig, Thomas**  
**Lange, Artur**  
**Lapp, Harald**  
**Lauer, Bernward**  
**Mashayekhi, Kambis**  
**Meyer-Gessner, Markus**  
**Prog, Rostyslav**  
**Reifart, Nicolaus**  
**Rosenberg, Mark**  
**Schäufele, Tim**  
**Schmitz, Thomas**  
**Sood, Nitin**  
**Weber-Albers, Joachim**  
**Werner, Gerald S.**

**Finland**  
**Kaukonen, Tomi**

**France**  
**Avran, Alexandre**  
**Boudou, Nicolas**  
**Drogoul, Laurent**  
**Elhadad, Simon**  
**Isaaz, Karl**  
**Ledermann, Bertrand**  
**Lefevre, Thierry**  
**Leroy, Fabrice**

**Levesque, Sébastien**  
**Levy, Raphy**  
**Louvard, Yves**

**Greece**  
**Sianos, George**

**Hungary**  
**Ungi, Imre**

**Italy**  
**Carlino, Mauro**  
**Di Mario, Carlo**  
**Gagnor, Andrea**  
**Galassi, Alfredo R.**  
**Garbo, Roberto**  
**Gasparini, Gabriele Luigi**  
**Grancini, Luca**  
**La Manna, Alessio**  
**La Scala, Eugenio**  
**Mazzarotto, Pietro**  
**Sardella, Gennaro**  
**Tumscitz, Carlo**

**Lithuania**  
**Erglis, Andrejs**  
**Kalnins, Artis**  
**Lismanis, Aigars**

**Netherlands**  
**Koolen, Jacques**

**Poland**  
**Bryniarski, Leszek**  
**Dudek, Dariusz**  
**Lesiak, Maciej**  
**Wójcik, Jaroslaw**

**Serbia**  
Bozinovic, Nenad  
Stojkovic, Sinisa

**Spain**  
Escaned, Javier  
Martin Yuste, Victoria  
Serra, Antonio

**Sweden**  
Ioanes, Dan

**Switzerland**  
Pieper, Michael  
Weilenmann, Daniel

**Turkey**  
Goktekin, Omer

**United Kingdom**  
Gershlick, Anthony  
Hildick-Smith, David

**Ukraine**  
Furkalo, Sergey

**ASSOCIATED MEMBERS**

**Armenia**  
Meruzhan, Saghatelyan

**Austria**  
Walter, Marlon

**Belgium**  
Agostoni, Pierfrancesco  
Barbato, Emanuele  
Kayaert, Peter

**Bulgaria**  
Alexandrov, Alexander  
Hazarbasanov, Dobri

**Croatia**  
Bulum, Josko

**Estonia**  
Laanmets, Peep

**Finland**  
Jussila, Risto  
Laine, Petri

**France**  
Benamer, Hakim  
Hovasse, Thomas  
Lemoine, Julien

**Germany**  
Akin, Ibrahim  
Allali, Abdelhakim  
Almaeloul, Farouk  
Atmowihardjo, Iskandar  
Balzer, Stefan  
Barlagiannis, Dimitrios  
Behnes, Michael  
Besinger, Andreas  
Billmann, Björn  
Blank, Ralph Tomas  
Dimitriadis, Zisis  
El-Mawardy, Mohamed  
Gayed, Mohamed  
Krotz, Florian  
Mohammad, El Garhy  
Fanderl, Martin

Ghanem, Alexander  
Gulker, Jan-Erik  
Gutiérrez-Chico, Juan Luis  
Halboos, Ali  
Hartel, Dirk  
Hauptmann, Karl-Eugen  
Hejazin, Barnaba  
Lauten, Alexander  
Mueller Claus-Heinrich,  
Pixaras, Stylianos  
Ringwald, Gerd  
Rubens, Christoph  
Saad, Mohammed  
Sherif, Mohammad  
Schofer, Joachim  
Schulze, Ralph  
Toma, Aurel  
Unzicker, Michael  
Vlachojannis, Marios  
von zur Mühlen, Constantin  
Werth, Hans-Werner  
Zadura, Mariusz

**Greece**  
Sitafidis, Georgios

**Hungary**  
Ruzsa, Zoltan

**Ireland**  
Menown, Ian

**Italy**  
Caramanno, Giuseppe  
Colangelo, Salvatore  
De Benedictis, Mauro  
Dell'Avvocata, Fabio  
Forlani, Daniele  
Garibaldi, Salvatore  
Giudice, Pietro  
Medda, Massimo  
Oreglia, Jacopo  
Piazza, Fabio  
Parisi, Rosario  
Scardaci, Francesco  
Sgueglia, Gregory  
Sgura, Fabio



CAUTION: This product is intended for use by or under the direction of a physician. Prior to use, reference the Instruction for Use, inside the product carton (when available) or at [eflu.abbottvascular.com](http://eflu.abbottvascular.com) or at [medical.abbott/manuals](http://medical.abbott/manuals) for more detailed information on Indications, Contraindications, Precautions and Adverse Events. Information contained herein is for distribution in Germany only. All illustrations are artist's representations only and should not be considered as an engineering drawing or photograph.

Abbott Medical GmbH | Schanzenfeldstr. 2 | D-35778 Wetzlar | Tel. +49 6441 87075 0  
[www.cardiovascular.abbott](http://www.cardiovascular.abbott)  
© 2019 Abbott. All rights reserved. 1-GE-2-10058-01 08-2019

Sheiban, Imhad  
Tumminello, Gabriele  
Varbella, Ferdinando

Lithuania  
Valuckiene, Zivile

Netherlands  
de Man, Frits  
Diletti, Roberto  
Roolvink, Vincent  
Wijnbergen, Inge

Norway  
Trovik, Thor

Poland  
Jankiewicz, Marek  
Pawlowski, Tomasz  
Radomski, Marek  
Stecko, Wojciech  
Wanczura, Piotr

Portugal  
Mesquita, Gabriel Henrique

United Kingdom  
Das, Paul  
Egred, Mohamed  
Gerber, Robert  
Ladwiniec, Andrew  
Kabir, Tito  
Kelly, Paul  
Kukreja, Neville

#### HONORARY MEMBERS

Colombo, Antonio, Italy  
Fajadet, Jean, France  
Serruys, Patrick, Netherlands

#### NON-EUROPEAN AFFILIATED MEMBERS

Shokry, Khaled, Egypt  
Tammam, Khalid, Saudi Arabia  
Zambakides, Chris, South Africa

Rathore, Sudhir  
Strange, Julian

Russia  
Matchin, Yuri

Spain  
Amat-Santos, Ignacio J.  
Goicolea, Javier  
Jurado, Alfonso  
Mohandes Mohsen,  
Requeiro, Ander  
Vaquerizo, Beatriz

Sweden  
Olivecrona, Göran

Switzerland  
Chatterjee, Tushar  
Cook, Stephane  
Gaemperli, Oliver  
Garachemani, Ali Reza  
Jamshidi, Peiman  
Jeger, Raban  
Leibundgut, Gregor  
Moschovitis, Aris  
Mueller, Peter  
Sutsch, Gabor

Turkey  
Gorgulu, Sevket  
Kursat, Tigen Mustafa  
Ozgul, Sami

#### NON-EUROPEAN ASSOCIATED MEMBERS

Ahmadih, Arsis, Iran  
Boghdady, Ahmed, Egypt  
Boukhris, Marouane, Tunisia  
Elhadidy, Amr Elsayed, Egypt  
Firouzi, Ata, Iran  
Ghofraniha, Afshin, Iran  
Heshmat Hussian, Egypt  
Khamis, Hazem, Egypt

Mahmoud, Sharaf Eldeen, Egypt  
Metwally, Mohamed, Egypt  
Miro, Shawkat, Iraq  
Mohammadi, Afsaneh, Iran  
Mohebbi, Bahram, Iran  
Rashid, Tarek, Egypt  
Sobhy, Mohamed, Egypt  
Zaky, Amir, Egypt

#### EURO CTO MEMBERSHIP

If you would like to become a Euro CTO Club member, please visit the requirements page and check if you are entitled to register: [www.eurocto.eu/members\\_list.aspx](http://www.eurocto.eu/members_list.aspx)

**SIS MEDICAL**  
Swiss | Interventional | Systems

**NIC Nano<sup>®</sup> hydro**

High rated burst pressure: 21atm  
Non compliant: 0.85mm at nominal pressure

#### The PTCA Balloon solution for the treatment of CTO's

The combination of an ultra low lesion crossing profile, excellent trackability and hydrophilic coating are key to a succesful treatment of tightest lesions and CTO's.

We thank the following companies for their support!

## PLATINUM SPONSOR



## GOLD SPONSOR



## SILVER SPONSOR



## BRONZE SPONSOR

B.Braun Melsungen AG  
Biotronik  
SMT Germany GmbH

# We do CONGRESS!

Your full-service-agency  
in healthcare.

We create the perfect framework for  
more knowledge in the world –  
together at any time, in any place.

**#wikonect**

### tour dates 2019 (excerpt):

ESVS Masterclass, Hamburg // **Derma Update**, Mainz/  
Berlin // **Deutscher Pneumologenkongress**, Munich //  
**Ferti-Forum Rhein/Main**, Mainz // **Pneumo Update**  
Europe, Prague // **Hamburg Heart Days**, Hamburg //  
**ReproFacts**, Frankfurt // **JT Deutsche Gesellschaft für**  
**Phlebologie**, Muenster // **Cardio Update Europe**,  
Budapest // **Deutscher Allergiekongress**, Hanover //  
**Euro CTO Club**, Berlin // **DACH-Jahrestagung**  
**Thoraxchirurgie**, Salzburg // **Gastro Update**, Berlin //  
**Hamburger Gefäßtag**, Hamburg

Our partner network:











Your dreams. Woven together.

# ASAHI INTECC

**SION TECC**

Leading to the NEXT



**ASAHI SASUKE**

**ASAHI**  
*Corsair Pro*  
Microcatheter

**ASAHI**  
**Caravel**

