Pre-Announcement

18th WORLD CONGRESS in Cardiac Electrophysiology & Cardiac Techniques

JUNE 13 - 16, 2012
NICE • FRANCE

www.cardiostim.com
A message from the Chairman of Cardiostim

Dear Colleagues, Dear Friends,

Time has been running fast since last Cardiostim. And the preparation of the 18th edition of the congress is already well on tracks!

In its early years, in 1978, Cardiostim was proposed to educate, exchange knowledge between doctors and engineers and mix together American and French specialists. Thirty four years later, these basic principles are still there, but today, this congress gathers Europeans and non-Europeans from all over the world, making it a true international congress.

The 2010 edition has been a great success with 5700 attendees and more than 200 scientific sessions. You liked it, thanks to all our talented colleagues who proposed so many high standard programs, and to its unique style and studious atmosphere.

In 2012, there will be many more debates, discussions, and case presentations. We desire to make this edition much more interactive, and we wish attendees to express themselves, participate in the discussions, and exchange their experience with the experts. Great advances in technology will be presented. So don’t miss the opportunity to “touch the future”, and foresee what your practice will become.

Go to our website and have a look on our program and presentations of clinical cases over time. Take advantage of the databank, a new and unseen service for the scientists. Be part of it by posting data or benefit from a free scientific database.

Finally, do not forget the firm January 11, 2012 deadline for abstracts submission.

On a longer term, you may be aware that Cardiostim and Europace, via their respective organizers, Reed and EHRA/ESC, have agreed on a strategic alliance for the 6 years ahead to ensure the development of an annual common European congress on the international scene of cardiac electrophysiology, devised under the direction of a common scientific committee. Organized alternatively by Reed and EHRA/ESC, the future annual conference will be unique and different from what is usually proposed, mingling the best of Cardiostim and Europace.

Whereas this agreement will come into full force in 2014, some of the rules, that will apply in the future for the annual conference, will already be implemented from 2012 on: all programs will be commonly discussed in order to get more homogeneity overall, the abstract selection will involve the EHRA program committee, all EHRA activities will be held during Cardiostim 2012, etc…

We look forward to seeing you in Nice from June 13 to 16, 2012.

Philippe Ritter
Chairman
### Basic Electrophysiology

**Complex Electrophysiology and Ablation Techniques**

- Novel Approaches to Apply Mechanistic Insights to Complex Human Arrhythmias

**Therapies for Atrial Fibrillation**

- Advances and Controversies in Atrial Fibrillation (A.C.A.F.)

**Noninvasive Electrocardiology**

- Educational Symposium of International Society for Holter and Noninvasive Electrocardiology (ISHNE)

**Main Trials in Cardiac Arrhythmias**

**Acute Cardiac Care: Management of SCD**

**Pacing, ICDs and CRT**

**Leads**

**European Heart Rhythm Association (EHRA) Program**

**Associate Symposia**

- Cardiopace
- Geriatric Cardiology
- Asia Pacific Cardiostim Symposium
- Fetal Cardiac Electrophysiology
- Pediatric Cardiac Electrophysiology
- Cardiostim-JHRS Joint Session
- SOLAECE Latin American Society of Pacing and Electrophysiology
- Syncope
- EPIC Alliance
- Italian Cardiostim Symposium

**Industry Symposia**

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In collaboration with:

- European Heart Rhythm Association (EHRA)
- Société Française de Cardiologie
- European Society of Cardiology
- Heart Rhythm Society (HRS)
- World Society of Arrhythmias / ICPES
- International Society for Holter and Noninvasive Electrocardiology (ISHNE)
- Groupe Français d’Electrophysiologie et de Stimulation Cardiaque de la Société Française de Cardiologie
- Sociedad Asociación Civil Argentina de Estimulación Cardiaca (SADEC)
- Asian-Pacific Society of Cardiology
- Brazilian Society of Cardiology
- Latin-American Society of Pacing and Electrophysiology (SOLAECE)
- Artificial Cardiac Electrostimulation Department of the Brazilian Cardiac Surgery Group (DECA)
- Associazione Italiana di Aritmologia e Cardiostimolazione (A.I.A.C.)
- Mediterranean Society of Pacing and Electrophysiology (MESPE)
- The RETAC Group (Reunion of European countries for the Treatment of Arrhythmias in Cardiology/Réseau Européen pour le Traitement des Arythmies Cardiaques)
Pre-Announcement

Scientific & Organizing Committee

CARDIOSTIM TEAM
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Mark O’Neill (London, GBR), Vincent Probst (Nantes, FRA)

David Hayes (Rochester, USA) J.Claude Daubert (Rennes, FRA)
Douglas Zipes (Indianapolis, USA) J.Jacques Blanc (Brest, FRA)

EUROPEAN HEART RHYTHM ASSOCIATION (EHRA)
President: Angelo Auricchio – Lugano, CHE
Europace 2013 Program Committee Chairman: Andreas Götte – Magdeburg, DEU
Vice-Chairman: J. M. Morgan – Southampton, GBR

Preparation Committee for Scientific Programs
To date, will be implemented as we go along

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Congress Highlights in 2012

Abstract submission is open. Firm deadline for submission is January 11, 2012. Please strictly follow instructions.
The abstracts selection committee has been extended further to more European colleagues.
Accepted submitted abstracts will be published in the Europace Journal, and will be online from June 13th, 2012.

In our newsletters, you’ll find clinical cases about patients implanted with devices (Pacemakers, ICDs and CRT devices).
The contents can be downloaded for educational purposes to the benefit of Internet users.
On our website, you’ll find an EPDatabank© providing useful slides that can be freely used by internet users, again for educational purposes.
During the congress, more sessions will be held with voting facilities, to exchange with speakers and chairmen during case presentation sessions in the programs dealing with ablation techniques, non invasive electrophysiology and devices.

Several sessions will cover new technology, in device therapy as well as electrophysiology. Your interest and level of importance you assign to these innovations, compared to currently available technology, will be probed by your vote. These sessions will be, in general, animated by debates between experts.

This year, Cardiostim has decided to offer the scientists an innovative and unseen elsewhere EPDatabank© that will put at their disposal scientific data such as ECGs and epidemiology records to facilitate the set up of scientific presentations.
The scientific data will be available in free download in the databank.
Basic Electrophysiology

Chairman >
D. Zipes – Indianapolis, USA

TRANSLATIONAL DISCOVERIES IN CARDIAC ELECTROPHYSIOLOGY: From Cell to Bedside

CARDIAC STEM CELLS AND GENE THERAPY
• Making Hearts Regenerate
• Cardiac Differentiation of Human Keratinocytes Derived from Plucked Hair Follicles
• Induced Pluripotent Stem Cells from Patients with Inherited Arrhythmias
• What Are the Clinical Implications?

NEW IMAGING TECHNIQUES
• Electrocardiographic Imaging to Understand Arrhythmia Mechanisms
• Simulations to Predict Sites of VT Ablation
• MRI for Risk Prediction of Arrhythmogenic Areas
• What Are the Clinical Implications?

MYOCYTE–FIBROBLAST INTERACTIONS IN NORMAL AND DISEASED MYOCARDIUM
• Myocyte Fibroblast Interaction
• Myofibroblasts as Arrhythmia Triggers
• Electromechanical Consequences of Adult Cardiomyocyte Myofibroblast Interactions
• What Are the Clinical Implications?

CARDIAC ION CHANNELS AND MACROMOLECULAR COMPLEXES IN HEALTH AND DISEASE
• Macromolecular Complexes and the Control of Cardiac Ion Channel Expression and Distribution
• Intercalated Disc as a Macromolecular Complex Niche and Its Role in ARVC
• MAGUK Proteins Are Important in Ion Channel Diseases
• What Are the Clinical Implications?

CONTRIBUTION OF GENETICS TO UNDERSTANDING MECHANISMS AND RISK
• Experimental Models to Explain Inherited Diseases
• Cardiac Pathology to Explain Phenotype
• Cellular Electrophysiology to Explain Clinical Phenotypes
• What Are the Clinical Implications?

DOES GENETIC TESTING FOR SUDDEN DEATH HELP IN CLINICAL PRACTICE?
• Long QT Syndrome
• Brugada Syndrome and CPVT
• Hypertrophic Cardiomyopathy
• Out of Hospital Cardiac Arrest
• What Are the Clinical Implications?
THE INTERCALATED DISC AND ARRHYTHMOGENIC CARDIOMYOPATHY
- Based on Science, What Is the Best Name for Arrhythmogenic Right Ventricular Cardiomyopathy?
- Cell-Cell Communication in ARVC
- Arrhythmia Mechanisms and Therapy
- What Is Needed for a Cure?
- What Are the Clinical Implications?

UNDERSTANDING ATRIAL FIBRILLATION
- Potassium Channel Remodeling
- Remodeling of Calcium Handling
- Structural Remodeling
- What Are the Clinical Implications?

ROLE OF CaMKII IN ARRHYTHMIAS
- CaMKII Regulation of Ion Channels
- CaMKII Regulation of RyR Receptors and Ca Cycling
- Role of CaMKII in Cardiac Arrhythmias
- CaMKII as a Potential Antiarrhythmic Target
- What Are the Clinical Implications?

ROLE OF THE AUTONOMIC NERVOUS SYSTEM IN ARRHYTHMOGENESIS
- Sympathetic-Vagal Interactions in Conscious Dogs
- Vagal Modulation of Atrial Arrhythmias
- Vagal Modulation of Inflammation
- What Are the Clinical Implications?

SMALL CONDUCTANCE CALCIUM-ACTIVATED POTASSIUM CHANNELS (SK) AND CARDIAC ARRHYTHMIAS
- What Are SK Channels?
- SK Channels and Ventricular Arrhythmias in Heart Failure
- SK Channels Modulate Cardiogenesis
- SK Channels and Genetic Basis of Atrial Fibrillation
- What Are the Clinical Implications?

ROLE OF MiRNAs IN ARRHYTHMIA SYNDROMES
- Why All the Interest in MiRNAs?
- Hypertrophic Cardiomyopathy
- Long QT Syndrome
- Dilated Cardiomyopathy
- What Are the Clinical Implications?
Pre-Announcement

Complex Electrophysiology and Ablation Techniques

Course Directors
M. Scheinman – San Francisco, USA
M. O’Neill – London, GBR
V. Probst – Nantes, FRA
F. Sacher – Bordeaux, FRA

ATRIAL FIBRILLATION ABLATION I
- Mechanisms of Atrial Fibrillation. Implication for Ablation Strategies
- Real Time Mapping to Guide Atrial Fibrillation Ablation
- “MR Imaging:” Does It Have a Role in Atrial Fibrillation Ablation?
- Atrial Fibrillation Ablation for Patients with Long Standing Persistent Atrial Fibrillation

ATRIAL FIBRILLATION ABLATION II
- Newer Left Atrial Appendage Occlusion and Ligation Devices for Stroke Prevention
- Epicardial Ablation of Atrial Fibrillation
- Catheter Ablation of Atrial Fibrillation Using a Non-Fluoroscopic Sensor Navigation Device
- Contact Monitoring and New Ablation Toys

ATRIAL FIBRILLATION ABLATION III
- What the EP Should Know about Genetics of AF, Is the Therapy Different?
- Patients Selection for AF Ablation
- How to Identify Targets and End-Points for Atrial Fibrillation Ablation?
- Long-Term Outcome for Atrial Fibrillation Ablation

ATRIAL FLUTTER ABLATION
- Unusual Forms (Double Loop, Lower Loop and Intra-Isthmus Reentry)
- Approach to the Ablation of Post Atrial Fibrillation Induced Left Atrial Flutter
- Diagnoses and Ablation of Right Sided Flutter

PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA ABLATION I
- Mechanisms and Results of Ablative Therapy for Patients with Focal Junctional Tachycardia
- Ablation of Complex ANVRT Circuits
- Diagnoses, Therapy and Results of Ablative Therapy for Patients with Manifest or Concealed Nodo-Fascicular (Ventricular) Pathways
- Localization and Ablation of Atrial Tachycardias
PAROXYSMAL SUPRAVENTRICULAR TACHYCARDIA ABLATION II

- Ablation of the Patient with Atrio-Fascicular Pathways
- Ablation of Atrial Tachycardia/Accessory Pathways from the Aortic Sinus
- How to Best Diagnose SVT Mechanisms?
- Presentation of Complex Cases (SVT)

VENTRICULAR TACHYCARDIA ABLATION I

- Role of Identifying and Ablating Late Potentials
- Recognition and Ablation of Intraseptal VT
- Does Cardiac MRI Identify the Critical VT Isthmus?
- The Role of Endocardial Unipolar Recordings for VT Ablation

VENTRICULAR TACHYCARDIA ABLATION II

- Catheter Ablation of Fascicular Tachycardia in Practice
- Catheter Ablation of VT from Papillary Muscles
- VF Ablation in Post MI Patients
- Long-Term Outcome after VF Ablation

VENTRICULAR TACHYCARDIA ABLATION III - Debates

- Patients with 1st Appropriate ICD Shock Should Be Treated with Ablation
- Ablation of VF: First Line Therapy in Electrical Storms

VENTRICULAR TACHYCARDIA ABLATION IV

- Catheter Ablation of Patients with Arrhythmogenic Right Ventricular Dysplasia (ARVD)
- Catheter Ablation of Patients with VT and Systemic Disease (Sarcoid/Amyloid/Iron Overload/Myotonic Dystrophy)
- Ablation of the Patient with Ischemic VT
- Bipolar Voltage Map vs. MR for Detection of Myocardial Scar

Organized by

Attendees are invited to follow the hospital staff discussions! They are requested to debate, give their opinion, and discuss the therapeutic strategies about patients’ files presented by the chairmen. These sessions should be very practical, educational, and are a unique opportunity to challenge experts!
Novel Approaches to Apply Mechanistic Insights to Complex Human Arrhythmias

Organized by
S. Narayan – San Diego, USA & E. Pruvot – Lausanne, CHE

ARRHYTHMIAS
Goals: Basic science has made great strides in understanding arrhythmias, although these results are often difficult to apply to humans due to technical issues such as lack of tissue or imaging resolution. Technological innovations, including signal processing and computer modeling, have recently overcome some of these limitations. This session will discuss recent translations of basic mechanistic observations to therapy for complex arrhythmias.

ATRIAL ARRHYTHMIAS
• Basic Science of Atrial Fibrillatory Sources: The Role of Rotors versus Focal Beats
• Localized Rotors and Focal Beats in Human Atrial Fibrillation
• Tissue Properties Required for Reentrant Sources of AF
• Structural Anchors for Localized AF Sources – Ablation/Fibrosis/Scar Imaging
• Towards a Real Time Tracking of AF Organization during Stepwise Ablation
• Summary: Translating Novel Mechanisms into New Tools for AF Ablation

VENTRICULAR ARRHYTHMIAS
• The Interplay between the Purkinje Fibers and ‘Substrate’ in Initiating and Maintaining Ventricular Fibrillation
• Trigger Mechanisms for Human Ventricular Fibrillation
• Imaging of VF Rotors in Langendorff-Perfused Human Hearts
• Does Dominant Frequency Identify Localized Sources in Human Ventricular Fibrillation?
• Signal Processing Approaches to Guide VT Ablation
• Summary and Roundtable Discussion
REPOLARIZATION ALTERNANS – TRANSLATING FUNDAMENTAL OBSERVATIONS TO
CLINICAL PRACTICE FOR ATRIAL AND VENTRICULAR ARRHYTHMIAS

Goals: To discuss recent developments “beyond cardiac depolarization” that improved our understanding of the genesis of complex arrhythmias. The role of repolarization alternans and its complex dynamics in promoting atrial and ventricular arrhythmias will be presented. This session will also address the potential of tracking repolarization alternans on ICDs to predict the imminent arrhythmias, and of antiarrhythmogenic interventions directed towards the correction of subcellular mechanisms of alternans.

• From Pulsus to Pulseless: the Saga of Cardiac Repolarization Alternans
• Intermittent Atrial Tachycardia Promotes Repolarization Alternans and Susceptibility to AF in a Free-Behaving Sheep Model
• Atrial Repolarization Alternans as a Dynamic Substrate Promoting Wavebreaks in Human Paroxysmal and Persistent AF
• SERCA2A Overexpression as a Molecular Intervention to Suppress Repolarization Alternans and Susceptibility of Cardiac Fibrillation
• Intracardiac Repolarization Alternans/Variability Predicts Imminent Ventricular Tachyarrhythmias in ICD Recipients
• Potential Pacing Strategies and Bioengineering Therapies to Suppress Repolarization Alternans and/or Susceptibility to Cardiac Fibrillation
Therapies of Atrial Fibrillation

Advances and Controversies in Atrial Fibrillation (A.C.A.F.)

Chairmen >
G. V. Naccarelli – Hershey, USA
J.J. Blanc – Brest, FRA
S. Lévy – Marseille, FRA

ATRIAL FIBRILLATION I
- Early Attempts at Rhythm Control Slows Progression of AF
- Has Basic Science Helped Us Develop Better Pharmacologic and Ablative Therapies for AF?
- Upstream Therapy of AF – Is It All over but the Shouting?

ATRIAL FIBRILLATION II
- Dronedarone in 2012: What Is New?
- PALLAS: Why Was It Performed? Where Are We?
- Dronedarone and Ranolazine: Is a Combination Drug a Good Idea?

ATRIAL FIBRILLATION III
- Novel Anticoagulants: Where Are We in 2012?
- Can Newer Anticoagulants Be Used Safely for Cardioversion of AF Patients?
- Asymptomatic AF: Prognostic Implications

ATRIAL FIBRILLATION IV
- Do Antiarrhythmic Drugs Have Any Benefit in Reducing Stroke?
- Is Catheter Ablation of AF Prothrombotic or Antithrombotic?
- Antiarrhythmic/Anticoagulant Drug Interactions: What Do We Know?
Noninvasive Electrocardiology

ADVANCES IN NONINVASIVE ELECTROCARDIOLOGY

Educational Symposium
of the International Society for Holter and Noninvasive Electrocardiology (ISHNE)

Chairmen >
W. Zareba – Rochester, USA
S. Dubner – Buenos Aire, ARG
A. J. Moss – Rochester, USA

EARLY REPOLARIZATION: BENIGN VERSUS DANGEROUS?

OPTIMIZING BENEFITS OF CRT: ROLE OF QRS DURATION AND MORPHOLOGY

CHALLENGING ECG DIAGNOSIS: Clinical Case Presentations

RISK STRATIFICATION OF CARDIAC ARRHYTHMIAS IN DIABETES

REPOLARIZATION IN RISK STRATIFICATION: TWA, QTV, OR JUST QRS-T ANGLE?

CHALLENGING ECG ARRHYTHMIA CASES: SVT OR VT: Clinical Case Presentations

DRUG INDUCED QT PROLONGATION AND TDP: RISK MARKERS, TESTING, AND MANAGEMENT

INHERITED ARRHYTHMIA DISORDERS: DON’T MISS THE DIAGNOSIS: Case-Based Presentation

CHALLENGING EGMS: APPROPRIATE OR INAPPROPRIATE ICD THERAPY: Clinical Case Presentations
Main Trials in the Management of Atrial Fibrillation

Chairmen >
A.L. Waldo – Cleveland, USA
A. J. Camm – London, GBR
C. Pratt – Houston, USA

THE NEW ORAL ANTICOAGULANTS (OACs) FOR STROKE PREVENTION IN AF - Part 1
- Rocket AF (Rivaroxaban)
- Rivaroxaban in DVT and ACS Trials? An OAC for All Seasons?
- Dabigatran in AF Sub-Studies

THE NEW ORAL ANTICOAGULANTS (OACs) FOR STROKE PREVENTION IN AF - Part 2
- ARISTOTLE (Apixaban)
- Apixaban in Other Trials - AVERROES and Others
- ENGAGE AF (Edoxaban)

CLINICAL TRIALS IN AF - INFLUENCE ON GUIDELINES - DISCUSSION AND PERSPECTIVE
- Ventricular Rate Control
- Rhythm Control
- Devices (BiV Pacemakers, ICDs, etc.)

AF ABLATION TRIALS
- Late Follow-Up - Efficacy and Safety
- Ongoing Trials - EAST CASTLE AF, CABANA, Others
- Ablation in Heart Failure
Acute Cardiac Care: Management of SCD

Sessions organized in cooperation with the Working Group on Acute Cardiac Care of the European Society of Cardiology (ESC)

Chairmen >
N. Danchin – Paris, FRA
B. Görenek – Eskisehir, TUR

ARRHYTHMIAS IN ACUTE CARDIAC CARE SETTING

• Acute Arrhythmias in Adult Congenital Heart Disease
• Atrial Fibrillation in Patients with Acute MI - Prognostic Impact and Treatment Options
• Atrial Fibrillation in Acute Heart Failure
• Electrical Storm in Patients with ICD

ARRHYTHMIAS IN PRIMARY PCI

• Incidence and Prognostic Impact
• How to Prevent and Manage Reperfusion Arrhythmias
• New Onset Atrial Fibrillation
• Coronary Intervention during VF /VT or Asystole

Abstract Submission

Now open
Strict Deadline: January 11, 2012

www.cardiostim.com
Pacing, ICDs and CRT

Course Directors
D. Hayes – Rochester, USA
P. Ritter – Bordeaux, FRA
D. S. Cannom – Los Angeles, USA
J. Singh – Boston, USA
F. Abi-Samra – New Orleans, USA

SELECTION OF CRT PATIENTS: GUIDELINES AND BEYOND
• CRT Guidelines: Interpretation and Differences of ESC & American Guidelines
• Patient with QRS < 150 ms: When Are They a Candidate for CRT?
• Should CRT Be Implemented during or after Cardiac Surgery in Patients with LVEF?
• Should CRT Be Routinely Used in Patients with Complete Heart Block and after AVN Ablation?

CAN RESPONSE TO CRT BE BETTER PREDICTED BY…
• Scar Zones Location and Transmurality?
• Limited Regional Delayed Contraction in Recommended Candidates?
• Assessment of Segmental Contractile Reserve?
• Presence of Co-morbidities (RBBB, RV Dysfunction, Renal Failure, Ageing, etc.)?

CAN CRT BE OPTIMIZED DURING IMPLANT BY…
• Localization of Time-Delayed Activated Areas and Scar Zones?
• Changes in QRS Width and/or Morphology?
• Real-Time Echo Assessment?
• Measurement of Hemodynamic Parameters?

TECHNIQUES FOR LV LEAD PLACEMENT
• Balloon Anchoring
• Coronary Venoplasty
• Snares
• Transeptal

ROLE OF DIFFERENT PROVIDERS TO ASSURE CRT SUCCESS
• When Can Surgeons Add to the Care/Success of CRT Patients?
• What Can EP Specialists Do for CRT Patients?
• What Can Heart Failure Experts Do for CRT Patients?
YOUR OPINION - CRT ISSUES - PART I
- CRT in Heart Failure Patients with Persistent Atrial Fibrillation
  - I Ablate the His Bundle
  - I Ablate the Atria
- There Is a Role for CRT in Patients with Narrow (< 120 ms) QRS: Pro / Contra

YOUR OPINION - CRT ISSUES - PART II
- Upgrading a Pacemaker or an ICD to CRT-D Is an Easy Task
  - Pro / Contra
- Now, I Apply CRT Only in Heart Failure Patients with QRS ≥ 150ms
  - Pro / Contra

YOUR OPINION - CRT ISSUES - Part III
- Endocardial LV Pacing Is Better than Epicardial LV Pacing
  - Pro / Contra
- Multi-Electrode LV Lead Is Better than Bipolar LV Leads
  - Pro / Contra

YOUR OPINION - CRT ISSUES - Part IV
- Opinions Regarding Techniques for LV Lead Placement:
  - I Choose That Sheath in That Case
  - I Choose That Lead in That Patient
  - I Decide to Stop or Continue the Procedure in That Case
  - I’ll Never Do That!

FOLLOW-UP OF CRT PATIENTS
- Management of Drug Therapy
- Management of Symptomatic Non-Sustained Ventricular Arrhythmias
- Management of Valvular Abnormalities
- Are There Specific Predictive Criteria for a Super-Responder?

HOW TO IDENTIFY RESPONDERS/NONRESPONDERS TO CRT?
- Should a Universal Definition of a CRT-Responder Be Agreed Upon?
- How to Assess Responders in NYHA I-II Heart Failure Patients?
- How to Assess CRT Response in Non-Compliant Patients?
- What about a Score for CRT-Response? Should a Score Be Developed to Classify CRT-Response?
PACING AND ICD

BORDERLINE INDICATIONS FOR PACING
• Wenckebach AVB II, and AVB I
• Vaso-Vagal Syncope
• Nocturnal Bradycardia
• Drug-Induced Bradycardia

PACING IN INFANTS AND YOUNG ADULTS: ANYTHING NEW?
• Indications for Endocardial Pacing in Infants < 1 year?
• Why Would I Do an Endocardial Implant in Infants Less than 10-20 Kgs?
• Why Do I Refuse to Implant Infants, Teens and Young Adults Endocardially?
• Will New Technological Advances Change Our Implant Procedures in Young Patients?

CHALLENGES OF ICD THERAPY - PART I: FUNCTIONING AND CHOICE OF THE DEVICE
• Five ICD Manufacturers: Specificities for Detection, Discrimination and Therapies
• The Specific Features of the Different ICDs available Influence My Choice: Yes/No

CHALLENGES OF ICD THERAPY - PART II: PROGRAMMING THE DEVICE
• Young Patient, Normal Heart (Brugada, Long QT, Idiopathic VF, etc.)
• Young Patient with Hypertrophic Cardiomyopathy
• Ischemic Heart Disease & Primary Prevention
• Ischemic Heart Disease & Secondary Prevention
• CRT Patient: When Do Add the “D”
• Impact of Drugs on ICD Programming: Clinical Cases

CHALLENGES OF ICD THERAPY - PART III: MANAGEMENT OF ELECTRICAL STORMS AND INAPPROPRIATE SHOCKS
• Drugs for Recurrent VAs in ICD Patients
• Catheter Ablation in ICD Patients
• Decision Making Process for ICD Lead Change

CHALLENGES OF ICD THERAPY - PART IV: DIFFICULT DECISIONS
• ICD for Elderly Patients: What Is the Limit and When Should We Consider ICD Deactivation?
• Driving for ICD Recipients: Where Are the International Rules?
• ICD Recipients at Work: Impact of Environment
SUBCUTANEOUS ICDS: A PATH TO A TECHNOLOGICAL REVOLUTION

- Tolerance of the Material and Efficacy of Arrhythmia Detection
- Data Based on Clinical Studies
- A Specific Population for SQ ICDs?

YOUR OPINION

- Leadless ICD and Leadless Pacemaker: Pro/Contra
- Implantation of ICDs in Patients after 80 Years: Pro/Contra
- Routine Defibrillation Testing: Yes or No?
- Systematic Extraction of a Non-Functional Non-Infected Lead: Pro/Contra

ART OF TIMING

Chair >
A. Ronaszeki – Budapest, HUN

TIMING IS EVERYTHING! - Part I

- The Concept of Optimal AV Delay
- Impact of Inter and Intra Atrial Conduction Delays on Optimal AV Interval
- Impact of Inter and Intra Ventricular Conduction Delays on Optimal AV Interval
- Effect of Heart Rate and Exercise on Optimal AV Interval

TIMING IS EVERYTHING! - Part II

- The Different Optimization Methods
- How Efficient Are the Automatic Features of Implantable Devices?
- Round Table: AVD and VV Interval Optimization in CRT: How to Achieve the Task?

ECG and EGM Interpretation (Pacing, ICD Therapy and CRT): 4 Sessions
Leads

Pacing and ICD Leads

*Chair >*

J. Helland – Sylmar, USA

The Goal of these sessions is for engineers to improve cardiac lead function & reliability and for physicians to learn what needs to be improved in cardiac leads?

**WHAT ARE ENGINEERS DOING TO IMPROVE CARDIAC LEAD FUNCTION & RELIABILITY?**

- What New Standardized Testing of Leads Will Be Implemented by Manufacturers?
- What Does a Physician Extractor Need to Know about the Design of ICD Leads?
- What Does a Physician Extractor Need to Know about the Design of Pacing Leads?
- Clinical Safety & Reliability Performance Update of DF4 Connector Systems

**WHAT ARE PHYSICIANS LEARNING THAT NEEDS IMPROVEMENT IN CARDIAC LEADS?**

- How Does the Implant Technique & Location Affect the Forces & Stresses Applied to Leads?
- Multi-Electrode LV Leads: What Should the Electrode Spacing Be and Why?
- When Transvenous LV Leads Won’t Work – EP Implantation of Cardiac Leads in the Pericardial Space
- What Improvements Are Needed in Lead Design and Materials to Reduce Patient Risk and Increase Reliability of Successful Extractions?
- What Is the Proper Way to Place the Device & Lead in the Pocket and to Anchor Lead Suture Sleeves and What Is Needed for the Future?
- What Are We Missing in Leads That Engineers Need to Still Address?
Lead Management

Organized by
C. Kennergren – Göteborg, SWE

CIED PATIENT INFECTION
- Incidence, Classes, Causes and Outcomes
- Diagnosis, Pharmacological Treatment and Timing of Extraction
- Transvenous Extraction and Surgical Treatment
- Timing of Re-Implantation and Treatment of PM Dependent Patients

LEAD MANAGEMENT
- What Leads Should and Should Not Be Removed according to EHRA and HRS Recommendations?
- What Are the Present Results of Lead Extraction in High and Low Volume Centers and Registries?
- Management of Superfluous Leads: Should All These Leads Be Extracted?
- Management of Recalled Leads: What Leads in Which Patients Should and Should Not Be Extracted?

PERFORMING LEAD EXTRACTION
- Training and Site Requirements
- Techniques for Transvenous Lead Extraction from the Route of Implantation
- Femoral, Transjugular, Surgical, Hybrid and Other Non Standard Lead Extraction Techniques
- Treatment of Lead Extraction Complications
European Heart Rhythm Association (EHRA) Program

Organized by the Scientific Committee of EHRA
Coordination, Program Committee Chairman: Andreas Götte – Magdeburg, DEU

**CLINICAL TUTORIAL: CATHETER ABLATION**

- Improving Outcomes in the Catheter Ablation of Atrial Fibrillation
- Complications Related to Atrial Fibrillation Catheter Ablation
- Advances in Robotic and 3D Mapping Technologies for Atrial Fibrillation Ablation
- New Energies and Technologies to Treat Atrial Fibrillation
- State-of-the Art on Ventricular Tachycardia Ablation
- Preventing Sudden Cardiac Death with RF Ablation
- Continuous Monitoring in Atrial Fibrillation Management. New Science or New Truth?

**CLINICAL TUTORIAL: DEVICE THERAPY**

- Management of Patients with Defibrillator Shocks: State-of-the Art
- ICD Therapy in Year 2012
- CRT in the 21st Century. Status Quo and Quo Vadis?
- Contemporary Considerations Based on Technological Developments in Cardiac Pacing
- Tailored LV Lead Placement
- Pacemaker Therapy in Year 2012
EXTRACTING INFORMATION FOR LEAD EXTRACTION

THE COMPLEX PACEMAKER IMPLANTATION

LEAD INFECTION

DIAGNOSTIC EVALUATION OF SYNCOPE IN SPECIAL PATIENT GROUPS

CONTINUOUS MONITORING IN ATRIAL FIBRILLATION MANAGEMENT. NEW SCIENCE OR NEW TRUTH?

EHRA DOCUMENTS, GUIDELINES AND HIGHLIGHTS

CRT: READING THE GUIDELINES

NEW EHRA DOCUMENTS

ARRHYTHMIAS IN WOMEN: STATE OF THE EVIDENCE

STROKE PREVENTION IN ATRIAL FIBRILLATION - STATE-OF-THE ART AND NEW CONCEPTS

HIGHLIGHTS FROM EUROPACE 2011: DEVICE THERAPY

HIGHLIGHTS FROM EUROPACE 2011: INTERVENTIONAL EP AND MEDICAL THERAPY

NURSING & ALLIED PROFESSIONAL

CERTIFICATION AND EXAMS: FIGHTING AGAINST INEQUALITY IN HEALTH CARE ACROSS BORDERS

NURSE-LED INTERVENTIONS FOR PATIENTS WITH ARRHYTHMIAS
Pre-Announcement

**TRANSLATIONAL APPROACHES IN EP**

- WHAT A DEVICE SPECIALIST NEEDS TO KNOW ABOUT HEART FAILURE
- TRANSLATIONAL APPROACHES IN ATRIAL FIBRILLATION
- NEW INSIGHTS IN BASICS OF ARRHYTHMIAS
- ION CHANNELOPATHIES
- THE CHALLENGES OF THE ASYMPTOMATIC PATIENT IN HEREDITARY SYNDROMES
- PURKINJE FIBERS AND VENTRICULAR ARRHYTHMIAS
- SUDDEN CARDIAC DEATH IN THE YOUNG

**PHARMOCOLOGICAL THERAPY**

- HOW TO USE THE NEW ORAL ANTICOAGULANTS IN PATIENTS WITH ATRIAL FIBRILLATION
- ANTIARRHYTHMIC DRUGS FOR ATRIAL FIBRILLATION

**DEBATES**

- DO WE HAVE TO TREAT THE FIRST ATRIAL FIBRILLATION EPISODE?
- CONTROVERSIES IN THE ANTI-THROMBOTIC MANAGEMENT OF ATRIAL FIBRILLATION
- INDUCTION OF VENTRICULAR FIBRILLATION AT IMPLANT
The European Heart Rhythm Association (EHRA) is presenting an extensive program tailored for a professional audience of cardiologists and professionals in the field of Pacing and Arrhythmias.

Clinical tutorials and debates on interventional EP and device therapy will provide the current state-of-the-art in electrophysiological therapy. Addressing main themes relating to daily practice and challenges, the program presents an educational angle with a main objective of bringing the knowledge required to maintain a high standard of professional excellence. This will be realized throughout the program with the presentations from experts in their fields as well as sessions providing EHRA Recommendations and Guidelines.

EHRA activities and documents of the recent years will be highlighted in several sessions during Cardiostim. Clinical tutorials and debates on interventional EP and device therapy will provide the current state-of-the-art in electrophysiological therapy. In addition, a General Assembly of EHRA will be held during the congress to update members and congress participants on EHRA activities.

As in 2010, the EHRA certification exams in EP & for Allied Professionals (14 June 2012), and CP (13 June 2012) will be held at the Congress venue...

**EHRA Membership 2012, DISCOVER YOUR BENEFITS ON OUR WEB SITE**

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- Reduced fee for the EP Journal
- Exclusive access to EHRA Training Fellowships programme and educational content

More at [WWW.ESCARDIO.ORG/EHRA](http://WWW.ESCARDIO.ORG/EHRA)
Pre-Announcement

Associate Symposia

Cardiopace

Organized by
C. Jazra – Beyrouth, LBN

LEFT VENTRICULAR HYPERTROPHY
- Echo-Based Classification of LVH
- Mechanism of Arrhythmia in LVH
- Risk Assessment of Sudden Death
- Hypertension - LVH: Determinants of Risk

Geriatric Cardiology

Organized by
W. Shen – Rochester, USA
R.E. Vlietstra – Lakeland, USA

SPECIAL CONCERNS FOR YOUR ELDERLY PATIENT: A CASE-BASED INTERACTIVE PROGRAM

FAINTING AND FALLS: HOW CAN WE MAINTAIN THE UPRIGHT POSITION AS WE GET OLDER?

APPROACHES TO ATRIAL FIBRILLATION AND STROKE PREVENTION: NEW TECHNIQUES, NEW TECHNOLOGY, NEW ANTICOAGULANTS AND NEW DRUGS FOR THE ELDERLY

PACEMAKER AND ICD: WHEN DO WE SAY YES AND WHEN DO WE SAY NO?

HEART FAILURE AND CARDIAC IMAGING: SPECIAL CONSIDERATIONS AND RELEVANT ISSUES IN THE ELDERLY
Asia Pacific Cardiostim Symposium
Under the Auspices of the Asia Pacific Society of Cardiology

Organized by
K. Sethi — New Delhi, IND
J. Vohra — Melbourne, AUS
G. Sloman — Richmond, AUS

MANAGEMENT OF ARRHYTHMIAS IN THE ELDERLY IN THE ASIAN PACIFIC REGION

Fetal Cardiac Electrophysiology

Organized by
M. Guirgis — Paris, FRA

BASIC UNDERSTANDING OF FETAL RHYTHM
• Developmental Anatomy of Fetal Conductive Tissue
• Update in Physiologic Control of Fetal Rhythm
• Classic and New Techniques in Evaluation of Fetal Rhythm
• Genetics of Fetal Arrhythmias

FETAL ARRHYTHMIAS
• Current Diagnosis and Management of Fetal Extrasystole
• Diagnosis of Fetal Tachyarrhythmias
• Determinants of Fetal Heart Failure
• Treatment Strategies of Fetal Tachyarrhythmias

FETAL ARRHYTHMIAS
• Current Diagnosis of Fetal Bradycardias
• Current Management of Fetal AV Block
• Live Demonstration: Echodoppler Techniques for Analysis of Fetal Rhythm
Pediatric Cardiac Electrophysiology

Organized by
JB. Thambo – Bordeaux, FRA

WHAT SHOULD THE CARDIOLOGIST KNOW ABOUT CARDIAC DYSRHYTHMIAS AND ELECTROPHYSIOLOGY IN PEDIATRIC AND CONGENITAL HEART DISEASE

PITFALLS AND PEARLS OF PEDIATRIC EKG AND ABLATION

PACEMAKER AND PEDIATRIC POPULATION - Debate Session
• Endocardiac Approach in Pediatric and Young Adult
• Prophylactic Lead Extractions in Pediatric and GUCH Population

WHAT SHOULD THE CARDIOLOGIST KNOW ABOUT BRUGADA SYNDROME IN PEDIATRIC POPULATION

WHAT SHOULD THE CARDIOLOGIST KNOW ABOUT GENETIC ARRHYTHMIAS IN PEDIATRIC POPULATION

Cardiostim – Japanese Heart Rhythm Society (JHRS) Symposium - Joint session

Under the Auspices of SOLAECE
Latin American Society of Pacing and Electrophysiology

Organized by
Molina L. – Mexico City, MEX
O. Oseroff – Buenos Aires, ARG

Several debates are organized by SOLAECE, aiming at discussing the opinions of leaders from various regions of the world on topics that are controversial, either because of conflicting views on treatment indications or methods, or because of economical limitations or regulatory constraints.
SYNCOPE

Organized by
D. Flammang – Lyon, FRA

SYNCOPE UPDATE

SYNCOPE TRIALS AND CLINICAL CASES

Organized by
EPIC Alliance

EP: WHAT’S HOT, WHAT’S NOT AND WHEN THE GOING GETS TOUGH

The EPIC Alliance is designed to provide global networking, professional development, and exclusive research opportunities for female electrophysiologists.

The vision of the EPIC Alliance is to enrich and diversify the field of electrophysiology by building a global network of women electrophysiologists at all level of experience that will create a community of collaboration among women in EP and provide opportunities for clinical research projects as well as enable leadership and career development.

Italian Cardiostim Symposium

Organized by
M. Santomauro – Naples, ITA

SPORT PRACTICE IN PACEMAKER AND ICD PATIENTS

SUDDEN DEATH IN HOSPITAL AND OUT-OF-HOSPITAL: NEWS AUTOMATIC EXTERNAL DEFIBRILLATION ON-LINE
Industry Symposia

As of today - To be completed

- NEW ADVANCES FOR PATIENTS WITH ATRIAL FIBRILLATION
  Session made possible thanks to an educational grant from BIOTRONIK

- ABLATION OF ATRIAL FIBRILLATION: WHERE DO WE STAND?
- DIAGNOSING AF: CAN WE PREVENT STROKES CAUSED BY AF?
- TREATING AF: HOW TO EFFECTIVELY REDUCE STROKE RISK?
- DEVICE FOLLOW-UP: NEW FRONTIERS IN EFFICIENCY AND QUALITY OF CARE
  IMPROVEMENTS
- NEW ADVANCEMENTS AND CLINICAL EVIDENCE IN TREATMENT OF PACEMAKER
  PATIENTS
- HOW CAN THE CRT CONTINUUM OF CARE INCREASE CRT RESPONSE?
- ICD THERAPY SAVES LIVES: DO YOU CARE?
  Sessions made possible thanks to educational grants from MEDTRONIC

- WEEKLY AUTOMATIC CRT OPTIMIZATION AT REST AND EXERCISE
- FOR A BETTER MANAGEMENT OF SLEEP APNEA BY CARDIOLOGISTS
  Sessions made possible thanks to educational grants from SORIN GROUP

- STATE OF THE ART HF MANAGEMENT: FROM IMPLANT TO LONG-TERM FOLLOW-UP
- EVERYTHING AND MRI: IS IT FOR EVERYBODY?
- INNOVATION IN EP-ADDING NEW VALUES: CLINICAL APPROACHES AND THE LAB
  OF THE FUTURE
  Sessions made possible thanks to educational grants from ST. JUDE MEDICAL

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Pre-Announcement

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Cardiostim / Reed Expositions France
Tour Vista - 52-54, quai de Dion-Bouton - CS80001 - 92806 Puteaux Cedex - France
General Information

1) CARDIOSTIM 2012 AND ITS TECHNICAL EXHIBITION WILL BE HELD AT NICE ACROPOLIS CONVENTION CENTER
1, Esplanade Kennedy - 06302 Nice Cedex 4 - France

2) LECTURES, POSTERS AND VIDEO-CLIPS
Online Abstract Submission now open on our website: www.cardiostim.com

The deadline for submission of all abstracts for oral presentation, posters and video-clips is January 11, 2012.

Oral presentations
Acceptance: the oral presentations will consist of invited and submitted papers. The Scientific Committee will select papers for presentation from the submitted abstracts. All accepted abstracts will be published in a special issue of an international journal.

Posters sessions
All posters must be submitted in form of abstracts. A number of posters will be selected by the Scientific Committee for presentation at posters workshops.

CAUTION: Portrait display (taller than wide) for all posters, i.e. height 54” in x width 36” in (1.40 m x 0.90 m).

Video presentations
Requirements for submission: abstracts should be submitted no later than January 11, 2012. The presentation must be purely scientific without advertising. Total length of presentation: 15 minutes at the maximum. Special viewing room for videotape presentations will be available. Accepted standards are: NTSC, Pal and Secam VHS 1/2 sizes, DVD, VCD.

3) OFFICIAL LANGUAGE
English only.

4) TECHNICAL EXHIBITS
The technical exhibits will be located adjacent to the Conference rooms.

5) LUNCHEON TICKETS
Luncheon tickets are strictly reserved for Cardiostim registrants. Registration is possible on our web site: www.cardiostim.com.
Price per ticket. Lunch will be served in Salon Les Muses located in the Convention Center, Level 3.

6) HOUSING
• Reservation exclusively through Mathez Travel:
  www.cardiostimhousing.com
Benefit from negotiated rates. The congress is holding a large contingent of rooms in Nice, but rooms will be assigned on a first-come, first-served basis.

7) TRANSPORTATION
- by train
To reach Nice by train & benefit from a 20% discount, please ask us for a SNCF congress voucher (French Railways):
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- by air
• Many international airlines serve the Nice international airport (www.nice.aeroport.fr).

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Frequent flyer/loyalty programs of Air France and KLM partner airlines are credited with «miles» when Air France or KLM flights are used.

• During the congress, a free shuttle service to the Congress Center will be available to registrants staying in Nice at Cardiostim hotels. Information on www.cardiostim.com
Registration Fees

Take advantage of early registration discounts and register **before Thursday April 5, 2012**. Registration is possible on our web site: [www.cardiostim.com](http://www.cardiostim.com)

**June 13-16** (4 days): **€ 815** (incl. tax).
**June 13-14-15-16** (one day registration): **€ 360** (incl. tax).

The registration fees permit attendance to all sessions and exhibits on the day(s) registered for, they include coffee breaks and one copy of the abstracts book and of the Final Program.

A 50% discount will be granted to nurses, interns, and fellows with a certificate from their Department Head.

**Presenters rate for 4 days** (June 13-16): **€ 520** (incl. tax).

After Thursday April 5, 2012, prices will increase.
Pacing and Clinical Electrophysiology

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