



ΠΑΓΚΥΠΡΙΟΣΙΑΤΡΙΚΟΣ ΣΥΛΛΟΓΟΣ  
CYPRUS MEDICAL ASSOCIATION



ISHNE International Society for Holter  
& Noninvasive Electrocardiology



ΕΛΛΗΝΙΚΗ ΚΑΡΔΙΟΛΟΓΙΚΗ ΕΤΑΙΡΕΙΑ  
HELLENIC CARDIOLOGICAL SOCIETY

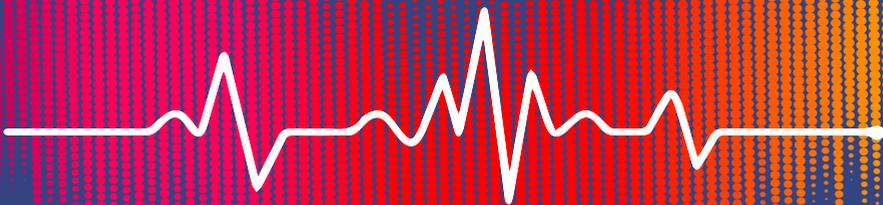


INTERNATIONAL SOCIETY  
OF ELECTROCARDIOLOGY

# International Congress on Electrocardiology 2025 ISHNE & ISE

**May 30 - June 1 / 2025**

Electra Palace / Thessaloniki, Greece



Under the auspices:



HELLENIC REPUBLIC  
Ministry of Education Religious Affairs  
and Sports

[www.ishne2025.frei.gr](http://www.ishne2025.frei.gr)

**PROGRAMME**



## WELCOME LETTER

Dear Colleagues,

On behalf of the organizing committee, we are pleased to welcome you to the 50th International Congress on Electrophysiology on May 30-June 1st 2025 at the historic city of Thessaloniki, Greece, jointly organized by ISHNE and ISE, in association with the Hellenic Society of Cardiology and the Cyprus Medical association.

The scientific program has been meticulously designed to blend state-of-the-art advancements with hands-on education, and will host an exceptional gathering of world-renowned experts in electrophysiology, electrophysiology, cardiogenetics, alongside with pioneers in novel technologies and digital health. Additionally there is an abstract competition, where accepted abstracts will be published in the Journal of Electrophysiology and a Young investigator Award will be conferred.

For younger cardiologists, we offer an ECG and pacemaker masterclass. Additionally, ISHNE Young will host a mentorship roundtable, fostering dialogue between emerging talents and esteemed leaders in the field, and a psychological empowerment and resilience workshop aiming to equip young and older colleagues with tools to navigate adversity, manage stress, and build resilience in their daily clinical lives.

We hope that this Congress will be a memorable and enriching experience for all attendees.

Warm regards



**Vassilios Vassilikos**

Professor of Cardiology, Aristotle University of Thessaloniki  
President ISHNE  
Congress Chair, International Congress on Electrophysiology 2025



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May 30 - June 1 / 2025  
Electra Palace / Thessaloniki, Greece



PROGRAMME



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PROGRAMME

## INFORMATION

### Venue

Electra Palace Thessaloniki  
Address: Aristotélous 9, Thessaloniki 546 24

### Certificate

CME Credits  
The "International Congress on Electrocardiology", at Electra Hotel, Thessaloniki, Greece, 30/05/2025-01/06/2025 has been accredited by the European Accreditation Council for Continuing Medical Education (EACCME) 17,5 European CME credits (ECMEC@s).

Each participant can only receive the number of credits he/she is entitled to according to his/her actual participation at the event once he/she has completed the feedback form.

### Website

<https://ishne2025.frei.gr/>

### Contact us

[ishne2025@frei.gr](mailto:ishne2025@frei.gr)

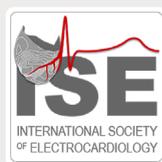
### CONGRESS APPLICATION "ISHNE 2025"

Android

iOS



### ORGANIZERS



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## ORGANISING COMMITTEE



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### ISHNE Board

President: <b>Vassilios Vassilikos</b>
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Vice-President: <b>Michalis Lampros</b>
Past President: <b>Georgios Kohiadakis</b>
Secretary General: <b>Athanasios Trikas</b>
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Vice-President: <b>Chrysanthos Georgiou</b>
Secretary: <b>Michalis Anastasiadis</b>
Treasurer: <b>Angelos Stylianou</b>



FRIDAY 30 MAY 2025

Room 1

08:45-09:00 Welcome Address (**V. Vassilikos**)

09:00-10:00 **Digital Literacy and AI Algorithms**

Chairs: **A. Aletras, I. Chouvarda**

Speakers: **Ng Jeremy Y - online** Attitudes and perceptions of medical researchers towards the use of artificial intelligence chatbots in the scientific process: An international cross-sectional survey”

**C. Bakogiannis** AI-Enhanced Tools in Scientific Publications

**E. Kalampokis** Bias and Fairness in AI Algorithms

Panelists: **C. Chrysochoou - online, D. Christou-Varsakelis**

10:00-11:00 **Sports Cardiology and Pre-Participation Screening**

Chairs: **E. Piotrowicz, A. Anastasakis**

Topics: European vs USA recommendations for pre-participation screening

Effect size of screening on SCD prevention

Physical activity recommendations in patients with cardiomyopathies or chanellopathies and ICDs

Panelists: **J. Tfelt-Hansen - online, E. Pagourelis, G. Efthymiadis, P. Platonov, K. Toutouzas, H. Mavrakis**

11:00-11:15 COFFEE BREAK

11:15-11:45 **Lecture**

Chairs: **G. Kochiadakis, T. Maounis - online**

Speaker: **T. Pang** The Epileptic Heart and Sudden Cardiac Death

FRIDAY 30 MAY 2025

Room 2

09:00-10:00 **Novel Pacing and ICD techniques: Essential things to know**

Chairs: **K. Gatzoulis, N. Fragakis**

Speakers: **M. Márquez** The anatomy of the AV node and the conduction system

**K. Kaczmarek - online** Conduction system pacing: Insights from clinical practice

**G. Leventopoulos** Exploring QRS area beyond patient selection in CRT- can it guide left ventricular lead placement?

Panelist: **E. Simantirakis**

10:00-11:00 **The Era of Personalized Medicine - Behavioral Change and New Technologies**

Chairs: **A. Ribeiro, C. Bakogiannis**

Speakers: **N. MS de Groot** The Role of mHealth in Promoting Behavioral Change for Cardiovascular Health

**L. Rosman** Leveraging long-term physical activity data obtained from implanted devices to assess and promote lifestyle changes

**C. Karamanidou** Patient Empowerment

11:00-11:15 COFFEE BREAK



## FRIDAY 30 MAY 2025

### Room 1

11:45-13:00	<b>EXPERTS FORUM: Neurocardiology- Autonomic substrate and interventions</b>
<i>Chairs:</i>	<b>K. Yiangou, K. Letsas</b>
<i>Speakers:</i>	<b>T. Klingenheben</b> Autonomic nervous system and the Heart
	<b>P. Macfarlane</b> AI based ECG prediction of non-ECG diagnoses, including syncope
	<b>S. Stavrakis</b> POTS: Does it exist?
	<b>S. Psychari - online</b> Sleep apnea and related arrhythmias

13:00-14:00	<b>ECG Masterclass</b>
	<b>A. Baranchuk, J. Streeter, G. Giannopoulos, A. Antoniadis</b>

15:00-16:00	<b>What happened to COVID Patients 4 years post-pandemic</b>
<i>Chairs:</i>	<b>I. Kanakakis, P. Vardas</b>
<i>Speakers:</i>	<b>E. Pagourelis</b> Myocardial involvement after COVID19 infection: Any news two years later?
	<b>R. Gopinathannair</b> Cardiac Arrhythmias and Autonomic Dysfunction Associated With COVID-19

16:00-16:30	<b>Lecture</b>
<i>Chairs:</i>	<b>M. Márquez, Chen L. Y.</b>
<i>Speaker:</i>	<b>A. Oto</b> Renal sympathetic denervation in arrhythmia control

16:30-17:00 COFFEE BREAK

## FRIDAY 30 MAY 2025

### Room 2

11:45-13:00	<b>EXPERTS FORUM: Hot topics in Cardiology in collaboration with AENIT</b>
<i>Chairs:</i>	<b>E. Simantirakis, S. Konstantinides</b>
<i>Speakers:</i>	<b>R. Passman</b> Has the time come for piil in the pocket anticoagulation in AF?
	<b>L.Y. Chen</b> Multimodal data integration to predict atrial fibrillation
	<b>E. Piotrowicz</b> Arrhythmias in women

13:00-14:30	<b>ISE Young Investigators Award Competition</b>
<i>Chairs:</i>	<b>P. Dorostkar, P. Platonov, V. Vassilikos</b>
<i>Speakers:</i>	<b>Boroumand Zeidaabadi</b> 4579   Deep Learning ECG Image Platform for Cardiac Diagnosis and Risk Stratification
	<b>Georgios Petmezas</b> 4610   Optimizing Atrial Fibrillation Detection through Hybrid ECG-Based Feature Selection Using Extremely Randomized Trees and Non-Linear Correlation Measures
	<b>Konstantinos Patlatzoglou</b> 4624   A Novel Variational Autoencoder Framework for Explainable AI-ECG
	<b>Michail Botis</b> 4678   Machine Learning -Guided Differentiation of RVOT and LVOT Arrhythmias

15:00-16:00	<b>Panel Discussion: New therapies, innovations and lifestyle interventions in Atrial fibrillation</b>
<i>Moderators:</i>	<b>S. Boveda, M. Efremidis</b>
<i>Topics:</i>	Tools for AF prediction
	New interventional therapies
	Control of modifiable factors
<i>Panelists:</i>	<b>K. Neven, L. Mantziari, G. Andrikopoulos, M. Kurpesa, D. Tsiachris, N. Varma</b>

16:00-17:00 ISE Council Meeting



## FRIDAY 30 MAY 2025

### Room 1

17:00-18:15	<b>Atrial Fibrillation: Hot Topics</b>	
<i>Chairs:</i>	<b>S. Tzeis, T. Ikeda</b>	
<i>Speakers:</i>	<b>Y. Huo</b>	Atrial Cardiomyopathy: A Marker of AF Risk?
	<b>L. Johnson</b>	Early Detection of AF in the Digital Era
	<b>T. Sasano</b>	Embryological Classification of Arrhythmogenic Triggers Initiating Atrial Fibrillation
	<b>T. Potpara</b>	Challenges in AF Guideline implementation
<i>Panelists:</i>	<b>P. Ioannidis, D. Tsiachris</b>	

18:15-18:45	<b>ISHNE Stern Lecture</b>	
<i>Chairs:</i>	<b>V. Vassilikos, A. Baranchuk</b>	
<i>Speaker:</i>	<b>N. Trayanova</b>	The use of computational modeling and artificial intelligence to uncover arrhythmogenic mechanisms and advance arrhythmia management.

18:45-19:30 **Opening ceremony**

## FRIDAY 30 MAY 2025

### Room 2

17:00-18:15	<b>Best Abstracts Oral Presentation</b>	
<i>Chairs:</i>	<b>G. Giannopoulos, A. Antoniadis</b>	
	<b>Antonio Luiz Ribeiro</b>	4607   AI-ECG for Normal ECG Detection in a Large-Scale Telehealth Network
	<b>Abhishek Deshmukh</b>	4565   Pre-Implant AI-ECG Age as a Predictor of Survival Following Cardiac Resynchronization Therapy
	<b>Evangelia Myrovali</b>	4598   Detection of paroxysmal atrial fibrillation during sinus rhythm using P-wave loop vectorcardiographic indices
	<b>Fenella Downes</b>	4600   Deep Learning Predicts Myocardial Infarction Incidence from Multiple ECG Features
	<b>Gary Tse</b>	4614   PowerECG: A Portable and Versatile ECG Analysis Platform for Rapid Cardiac Screening
	<b>Constantinos Bakogiannis</b>	4682   Artificial intelligence-enabled sinus electrocardiograms for the detection of paroxysmal atrial fibrillation benchmarked against the CHARGE-AF score



**SATURDAY 31 MAY 2025**

**Room 1**

08:00-09:00	<b>ISHNE BOT Meeting</b>	
09:00-10:30	<b>Panel Discussion: ISHNE Young: Learning from the Legends/ Pioneers</b>	
	<i>Moderators:</i>	<b>W. Zareba, R. Sutton</b>
	<i>Topics</i>	What makes a standout fellow Crafting a winning CV Burnout and how to prevent in a competitive era Research vs. clinical practice: striking the balance Academia or Industry
	<i>Speaker</i>	<b>L. Michalis</b> Post Certification Training in Cardiology
	<i>Special Commentator</i>	<b>N. Papaioannou</b> / Ministry of Education
	<i>Panelists:</i>	<b>M. Krantz, L. Michalis, R. Passman, R. Sutton, G. Andrikopoulos, I. Patrikios, I. Skoularigis, V. Vassilikos, P. Platonov, G. Tse</b>

10:30-10:45 COFFEE BREAK

10:45-11:45	<b>Genetics for the Electrophysiologist</b>	
	<i>Chairs:</i>	<b>G. Giannakoulas, M. Aivaliotis</b>
	<i>Speakers:</i>	<b>L. Makarov</b> The new ECG pattern in long-QT <b>E. Zaklyzminskaya</b> Clinical, genetic and surgical aspects of HCM without LVOT obstruction <b>A. Anastasakis</b> HCM/ SCD and genetics in the Greek population <b>E. Locati</b> Atrial fibrillation is a hereditary disease: fact or fiction?

11:45-12:15	<b>Lecture</b>	
	<i>Chairs:</i>	<b>K. Toutouzas, D. Cokkinos</b>
	<i>Speaker:</i>	<b>N. Takahashi</b> Epicardial Adipose Tissue and Atrial Fibrillation

12:15-12:30 COFFEE BREAK

**SATURDAY 31 MAY 2025**

**Room 2**

09:00-10:30	<b>Patient Literacy and the Role of Digital Health</b>	
	<i>Chairs:</i>	<b>S. Johnston, P. Dilaveris</b>
	<i>Speakers:</i>	<b>A. Kontogeorgis</b> Shared Decision Making in Cardiac Electrophysiology Procedures and Arrhythmia Management <b>P. Bamidis</b> Enhancing Patient Understanding of Cardiovascular Conditions Using Digital Tools <b>D. Farmakis - Thessaloniki</b> Patient-Centered AI: Bridging the Knowledge Gap Between Patients and Providers <b>A. Deshmukh</b> The future of the digital integrated cardiovascular care, the physician's perspective
	<i>Panelists:</i>	<b>C. Bakogiannis, M. Marketou - online</b>

10:45-11:45 COFFEE BREAK

10:45-11:45	<b>Cardio-Oncology and Arrhythmias</b>	
	<i>Chairs:</i>	<b>C. Papadopoulos, B. Gorenek, G. Filippatos - online</b>
	<i>Speakers:</i>	<b>D. Farmakis-Athens - online</b> Arrhythmias in Cardio-Oncology: Current Understanding <b>M. Krantz</b> CardioOncology: the growing burden of arrhythmic and cardio toxicity events <b>T. Ikeda</b> Active Cancer and Atrial Fibrillation
	<i>Panelists:</i>	<b>P. Ioannidis, M. Konstantinidou</b>

12:15-12:30 COFFEE BREAK



**SATURDAY 31 MAY 2025**

**Room 1**

12:30-13:30 **Debate Session: Remote Monitoring for Arrhythmias: are wearables replacing loop monitors**

Chairs: **R. Passman, A. Ziakas, R. Piotrowicz**

Speakers: **T. Jadczyk** Pro  
**E. Locati** Con

Panelists: **N. Varma, N. Maglaveras**

13:30-14:30 **Satellite Symposium**

supported by

14:30-15:30 **ISHNE General Assembly**

15:30-16:30 **Meet the experts: Non-invasive risk stratification for ICD - Syncope**

Chairs: **I. Zarifis, E. Locati**

Speakers: **I. Cygankiewicz** ECG-Derived Indices for Post-MI SCD Risk Stratification: Have we Run out of Steam?

**K. Gatzoulis** Risk-Stratification in Non-Ischemic Cardiomyopathy: Are we finally treading beyond LVEF?

**W. Zareba** Implantable Cardioverter-Defibrillators: Do we Implant too few or too many?

**B. Milovanovic** Postinfection syndromes and syncope - new approach in diagnosis and treatment

Panelist: **G. Stavropoulos**

**SATURDAY 31 MAY 2025**

**Room 2**

12:30-13:30 **Arrhythmias and cognitive function**

Chairs: **K. Tsioufis, N. Grigoriadis**

Speakers: **M. Márquez** Atrial fibrillation and cognitive deterioration

**E. Svennberg - online** How can we predict AF and modify its related complications?

**K. Triantafyllou** Risks of developing cognitive dysfunction after invasive procedures

**T. Karapanayiotides** When Cardiologists and Neurologists Should Collaborate

Panelist: **A. Tzikas**

13:30-14:30 **Pacemaker Masterclass**

Chairs: **Y. Birnbaum, A. Antoniadis, K. Polymeropoulos**

15:30-16:30 **WSA/ISHNE joint session: New developments in diagnosis and management of Vasovagal syncope, Postural orthostatic tachycardia and Inappropriate sinus tachycardia**

Chairs: **A. Oto, E. Crystal**

Speakers: **O. Oseroff** Practicalities of 24hABPM and definitions of the cardiac autonomic conditions, Vasovagal syncope, Postural Orthostatic Tachycardia and Inappropriate Sinus Tachycardia

**R. Sutton** Low blood pressure phenotype: Importance in reflex syncope

**R. Sutton** 24hABPM in vasovagal syncope

**M. Juszczyk** Postural Orthostatic Tachycardia Syndrome and Inappropriate Sinus Tachycardia-Two Distinct Phenotypes in Post-COVID-19 Cardiovascular Dysautonomia: Prevalence, Overall and Clinical Characteristics

Panelists: **A. Oto, E. Crystal, R. Sutton**



SATURDAY 31 MAY 2025		SATURDAY 31 MAY 2025	
Room 1		Room 2	
16:30-17:00	COFFEE BREAK	16:00-17:00	ISE General assembly (ROOM 3)
17:00-18:30	<p><b>Panel Discussion: Regional Differences in the utilization of modern technology</b></p> <p><i>Chairs:</i> <b>W. Zareba, P. Vardas</b></p> <p><i>Topics</i></p> <ul style="list-style-type: none"> <li>America vs Europe</li> <li>Effect of different health systems</li> <li>Utilization of new technology resources in various regions</li> <li>Factors restricting access to life-prolonging treatments</li> </ul> <p><i>Panelists:</i> <b>P. Macfarlane, A. Ribeiro, L. Tereshchenko - online, V. Vassilikos, T. Ikeda, P. Agathangelou, I. Styliadis</b></p>	17:00-18:30	<p><b>ISE/ISHNE Joint session: The ECG in Various Clinical Conditions</b></p> <p><i>Chairs:</i> <b>P. Platonov, G. Tse</b></p> <p><i>Speakers:</i></p> <ul style="list-style-type: none"> <li><b>D. Tachmatzidis</b> The P-Wave in AF Prediction: What We Know So Far</li> <li><b>N. Varma</b> How universal is the QRS of LBBB - Should it be adjudicated differently for women and Asians considered for CRT and LBBAP?</li> <li><b>P. Dorostkar</b> Pediatric Triggered Rhythms in the Cardiac ICU</li> <li><b>S. Johnston</b> ECGs and Convolutional Neural Networks</li> </ul>
18:30-19:00	<p><b>Lecture</b></p> <p><i>Chairs:</i> <b>V. Vassilikos, A. Baranchuk</b></p> <p><i>Speaker:</i> <b>M. Chung</b> Tackling Sudden Cardiac Arrest: A Challenge for ISHNE and ISE</p>		
19:00-19:30	<b>AWARD CEREMONY</b>		



SUNDAY 1 JUNE 2025

Room 1

09:30-11:10	ISHNE Young/ HCS Young/ SSHM AUTH in collaboration with EHRA Young EP:Espresso & Resilience: Brewing strength for the Cardiologist's Heart
	<i>Chairs:</i> <b>V. Vassilikos, M. Marketou - online</b>
09.30-10.00	Welcome Breakfast & Espresso Masterclass: The Science & Art of Espresso: First Barista Seminar
10.00-10.40	Brewing Conversations: Stories from the Heart Title: "Bitter Shots, Sweet Lessons: Real Stories from Cardiologists" Description: 8-10 young cardiologists from various countries will share personal, authentic stories about daily anxiety, burnout, and the emotional toll of clinical practice. The format will be dynamic, with each speaker having 4-5 minutes to present a snapshot of their experience, followed by brief reflections from the audience.
	<i>Moderators:</i> <b>S. Theodorou, C. Bakogiannis</b>
	<i>Panelists:</i> <b>I. Kachrimanidis, A. Boulmpou, A. Tsarouchas, A. Arvanitaki, T. Jadczyk, I. Doundoulakis, K. Triantafyllou, M. Kousta</b>
10.40-11.10	Stirring Resilience: Lessons from Psychology Mind Over Matter: Strategies for Burnout & Anxiety Management
	<i>Moderator:</i> <b>C. Bakogiannis</b>
	<i>Speaker:</i> <b>S. Theodorou</b>

11:10-11:30 Closing remarks

SUNDAY 1 JUNE 2025

Room 2

09:30-11:10	Joint session HCS - Cyprus Medical Association
	<i>Chairs:</i> <b>D. Alexopoulos, A. Mavrogianni</b>
	<i>Speakers:</i> <b>P. Kourtellaris</b> TAVI and conduction abnormalities
	<b>Th. Christophides</b> CRT experience in Cyprus
	<b>S. Tzikas</b> Anticoagulants and invasive procedures in Cardiology: Where do we stand?
	<b>D. Konstantinou</b> My follow-up routine after a CRT implantation
	<b>E. Hatzinikolaou - Kotsakou</b> My clinical approach to a patient with a Brugada type ECG
	<i>Panelist:</i> <b>S. Pastromas</b>



## SATELLITE SYMPOSIA

### SATURDAY 31 MAY 2025

#### Room 1

13:30-14:30	Chairs:	<b>V. Vassilikos</b>
	<b>G. Andrikopoulos</b>	Electroanatomic mapping and Pulsed Field Ablation with Faraview. Mapping the Future of Atrial Fibrillation Ablation

supported by Boston Scientific



## FACULTY LIST



## FACULTY LIST

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