The aim of the Atrial Signals symposium is to bring together leading experts from the clinical, physiological and engineering fields in the characterization, diagnosis and management of atrial fibrillation in order to share cutting edge knowledge and exchange ideas about mechanisms that drive AF, controversies in AF management, and new technologies for decision-making, among other aspects.

Joint collaboration between experts – clinicians and engineers – provides the best chance to cope with this challenge. This is the goal of our workshop – to bring together the leading experts from these areas, and to provide a scenario for open discussion.

**CONFERENCE LOCATION**

Auditorio Cubo Azul
Ciudad Politécnica de la Innovación
Universitat Politècnica de València
Valencia (Spain)

**PRICING**

<table>
<thead>
<tr>
<th>ATRIAL SIGNALS 2017 - FEES</th>
<th>Early registration</th>
<th>Late registration</th>
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</thead>
<tbody>
<tr>
<td>General</td>
<td>300€</td>
<td>380€</td>
</tr>
<tr>
<td>Students &amp; residents</td>
<td>220€</td>
<td>280€</td>
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<tr>
<td>Participants in Physionet/Computing in Cardiology Challenge 2017*</td>
<td>100€</td>
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</tr>
<tr>
<td>Single Day Attendance, Thursday, 5th October*</td>
<td>60€</td>
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</tbody>
</table>

The registration fee includes access to all conferences, coffee breaks and one ticket for the Gala Dinner.

*Price does not include gala dinner

**REGISTRATION**

You may register on-line at: www.atrialsignals.upv.es
Email contact for registration: congresos@cfp.upv.es
Important: Please put Atrial Signals 2017 as the subject of your email.

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Atrial Signals 2017
quantitative analysis and diagnostics, predictive and therapeutic values

October 5-7, 2017
Valencia, Spain

www.atrialsignals.upv.es
**Thursday, 5 October 2017**

**15:30** Welcome to Atrial Signals 2017  
Co-chairs: Jose Millet and Joaquín Oscà

**S1. Frontiers in AFib Management: New Pharmacological Advances & Promises of Invasive Strategies**

**15:35** New antiarrythmic drugs. What is coming  
Juan Tamargo

**16:00** Cardioversion by drugs. What can non-invasive atrial signal analysis tell us?  
Jose Millet

**16:25** Frontiers in stroke prevention: Atrial high-rate episodes (AHRE) detected with mobile devices: How much AFib is needed to start anticoagulation.  
Douglas L. Packer

**17:15 – 17:40** Coffee break

**17:45** Should we interrupt or maintain anticoagulant therapy after AFib ablation?  
Matteo Anselmino

**18:10** Left atrial appendage occlusion: is it a real alternative to oral anticoagulant therapy?  
Can it be combined with AFib ablation?  
Jose Ramon Lopez Minguez

**18:35 – 19:05** Panel Discussion  
Moderators: Joaquín Oscà & Jesus Almendral

**Friday, 6 October 2017**

**S2. Mechanisms of AF**

**08:30** Mechanisms of AFib: recent advances  
José Luis Merino

**08:55** Rotor and focal source identification (spatio-temporal analysis of patterns) and what are the real drivers of AFib?  
Junaid Zaman

**09:20** Endo-epicardial dissociation and rotors in AFib  
Ulrich Schotten

**09:45** Computer modelling of AFib: What is it good for? Can we reach out to personalize therapy planning?  
Olaf Dössel

**10:10** Panel Discussion  
Moderators: Javier Saiz & Aurelio Quesada

**10:40** Coffee break

**S3. MRI & Fibrosis**

**11:10** Atrial cardiomyopathies - is it just a matter of fibrosis?  
Andreas Goette

**11:35** Detection of fibrosis and importance in AFib  
Brent D. Wilson

**12:00** Correlation of MRI detected fibrosis and substrate endocardial mapping. How to integrate both techniques  
Lluís Mont

**12:25** Spatial relationship of focal drivers, rotors and fibrosis in patients with persistent AFib.  
Malcolm Finlay

**12:50** Panel Discussion  
Moderators: JL Merino & Pablo Laguna

**Saturday, 7 October 2017**

**S6. Transferring Knowledge, From Mechanisms to Ablation**

**08:30** Do we really know what we are doing in AFib ablation.  
Armin Luik

**08:55** AFib focal sources ablation: alternative, complement to PVI, or useless  
Karl-Heinz Kuck

**09:20** Detection of atrial fibrosis and ablation planning  
Thomas Arendt

**09:45** Non-pulmonary vein trigger ablation in AFib  
Pasquale Santangeli

**10:10** Panel Discussion  
Moderators: Josep Brugada & Ignacio Fernández Lozano

**10:40** Coffee break

**S7. New Technologies, New Synergies**

**11:10** Non-paroxysmal Atrial Fibrillation treatment using a novel software  
Carlo Pappone

**11:35** Mobile devices and Apps and the potential impact on AFib monitoring and therapy  
Francis White

**12:00** Imaging and mapping – research (real time MRI, optical mapping, µCT, µMRI, confocal microscopy) and what do we learn about the basics of AFib?  
Rob MacLeod

**12:25** Novel global ultrasound imaging and continuous dipole density mapping  
Malcolm Finlay

**12:50 – 13:10** Panel Discussion  
Moderators: Fernando Arribas & Vicente Traver