

## Annual Report 2008-2009

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### Part 1: Identification

#### Working Group on: **Computers in Cardiology**

##### **Nucleus composition (name):**

Chairperson: Nico Bruining  
Vice-chairperson: Pim Dassen  
Past chairperson: Martin Hoeher  
Treasurer: Enno van der Velde  
Secretary: Marek Malik  
Web editor: Enno van der Velde  
Nucleus Members: 10

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### Part 2: Turn-Over of the WG during the year

#### **Election 1, spring 2008, 6 new nucleus members sought:**

Chair /Organisation committee: Past chairman and chairman

Organisation: via the Hearthouse

Position(s) to be occupied: **6 nucleus positions**

Names and results of Candidates:

1. Marek Malik
2. Guy Carrault
3. Philippe Chevalier
4. Goran Krstacic
5. Alberto Macereta
6. Niek van der Putten

Number of voting delegates (WG members): there were 6 candidates for 6 positions, so no voting was necessary.

As there was a large nucleus turnover, a consensus was found that Pim Dassen fulfilled the position as vice-chairman for 1 year until the annual congress of 2009. Marek Malik took the position as secretary.

#### **Election 2, Spring 2009, 2 new nucleus members sought:**

Chair /Organisation committee: Whole nucleus

Organisation: via the Hearthouse

Position(s) to be occupied: 2 nucleus positions

Names of Candidates: George Schmidt and Enrico Caiani

Number of voting delegates (WG members): there were 2 candidates for 2 positions, so no voting was necessary

Results (elected candidates): George Schmidt and Enrico Caiani are elected as new nucleus members starting after the annual 2009 congress

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### Part 3: Activities of the WG during the year

► Computers In Cardiology 2008 35<sup>th</sup> Annual Conference

In 2008 the annual Computers in Cardiology (CinC) conference was being organized in Bologna, Italy. The conference, chaired by Claudio Lamberti and Johan de Bie (and organized by a large local committee: <http://cinc2008.unibo.it/>) was very successful as it showed the largest participation in the history of CinC. The location and city was wonderful at the oldest university in Europe (founded in 1088).

► The nucleus is very much looking forward to the Computers In Cardiology 2009 36<sup>th</sup> Annual Conference, being held in Park City, Utah, USA from 14-17 September.

► During the past year the WG organized several joint symposia during congresses endorsed by the ESC but outside the annual congress.

- During Eurocho 2008 in Lyon the following session was organized:

***Challenges in Cardiovascular Imaging***

(<http://spo.escardio.org/SessionDetails.aspx?id=266831>)

- During EuroPCR in Barcelona 2009 the following session was organized:

***New frontiers in quantitative imaging.***

- During Europace 2009 the following session was organized: ***ICD registry: progress and promise for the future.***

Details and reports of these symposia can be found at:

[http://www.escardio.org/communities/Working-](http://www.escardio.org/communities/Working-Groups/cardiocomputers/Computers-Meetings/Pages/JointSymposia.aspx)

[Groups/cardiocomputers/Computers-Meetings/Pages/JointSymposia.aspx](http://www.escardio.org/communities/Working-Groups/cardiocomputers/Computers-Meetings/Pages/JointSymposia.aspx)

► The working group is in the start-up phase of two lines of producing scientific papers

- Together with the council of cardiovascular imaging (CCVI) it will be explored if a study-group can be initiated to investigate angiographic image viewing and archiving with as objective to produce an awareness document. This proposal will be discussed during the CCVI meeting at the annual ESC congress in Barcelona 2009.
- HRV

► The WG submitted a total of 5 symposia proposals for the annual congress 2009 and 1 joint proposal together with the nursing council. Two proposals have been selected for presentation:

- ***Heart Rate turbulence – state-of-the-art***, Monday September 1, 2009
  - Chairs: M. Malik (Purley, GB) and N. Bruining (Rotterdam, NL)
    - Measurement technology of heart Rate turbulence: A Bauer (Munich, DE)
    - Physiologic studies and background of Heart Rate Turbulence: D Wichterle (Prague, CZ)
    - Heart Rate Turbulence as a risk predictor: F Lombardi (Milan, IT)
    - Pharmacological modulation of Heart rate turbulence: P Chevalier (Lyon, FR)
    - Heart Rate Turbulence in emerging strategies of prophylactic interventions: G Schmidt (Munich, DE)

- ***New developments in Telecardiology***

- Chairs: E.T. van der Velde (Leiden, NL) and G. Carrault (Rennes, FR)
  - Data exchange between implanted devices, remote monitoring systems and local Electronic Medical Record (EMR) using IHE: D Scher (Harrisburg, US)
  - MY EMR: development of and first experiences with a webportal for cardiology patients to access to their own EMR: DE Atsma (Leiden, NL)
  - Home support for children with complex congenital heart disease using videoconferencing via broadband: B McCrossan (Belfast, GB)
  - Impact of telemonitoring at home on the management of elderly patients with congestive heart failure: R Antonicelli (Ancona, IT)

- ▶ Other:

- Both Enno van der Velde as well as Pim Dassen represented the WG in the web advisory board. The internet facilities of the ESC are undergoing large changes and many new facilities are being offered to the members of the WG's.
- The goals for the content for the web is that organizers of symposia outside the annual congress, and who participate, will create a small report of this symposia and put this onto the website.

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#### **Part 4:**

- ▶ Future projects are:

- The creation of an awareness paper for angiographic viewing and archiving. This project is now endorsed by the council for cardiovascular imaging (CCVI) during the past annual ESC congress 2009 in Barcelona.
- Consensus document on heart rate variability, is being led by Marek Malik and is being discussed with other possible cooperative other groups in the field of Electrocardiology

- ▶ Finances:

- The balance of the WG Computers in Cardiology on 23/06/09 was 11.476,25
- We received an extra income of € 10.000,- to be able to organize an extra nucleus meeting outside the annual congress from the ESC board.
- The main expense was the extra nucleus meeting being held in Barcelona in May 2009. Not all of the participants have been reimbursed, so at this moment there is not a clear oversight of the expenses made for this event.