



## Izvanredni sastanak nukleusa Radne skupine "Computers in Cardiology" Barcelona, 25.-27. ožujak 2011.

## Working Group Extra Nucleus Meeting "Computers in Cardiology" Barcelona, 25<sup>th</sup>-27<sup>th</sup> March 2011

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U Barceloni je od 25. do 27. ožujka 2011. godine održan treći izvanredni sastanak nukleusa Radne skupine (RS) "Computers in Cardiology" (CinC) Europskog kardiološkog društva (ESC). Sudjelovalo je svih deset članova Nukleusa i gđa. Celine Serio, koordinatorica ESC za RS.

Na sastanku je najprije predsjednik RS, dr. Enno van der Velde, FESC (Nizozemska) podnio izvješće o radu u proteklom periodu od zadnjeg kongresa ESC. Odlučeno je da će prvi dan sastanka biti posvećen organizacijskim pitanjima, a drugi znanstvenom dijelu. Potom je gđa. Serio podnijela iscrpno izvješće o promjenama u organizacijskoj strukturi i ustroju ESC, kao i mogućoj pomoći u cilju boljeg funkcioniranja RS. Za organizaciju simpozija ESC može pružiti savjetodavnu pomoć, kontrolu ugovora između organizatora i sponzora, online registraciju sudionika simpozija ili konferencija, promotivnu aktivnost i komunikaciju između članova i kolega koji nisu članovi RS te određenu financijsku pomoć. Slijedio je kratki osvrt na nedavno održan ESC Spring Summit 2011.

Dr. Nico Bruining, FESC (Nizozemska) izložio je situaciju u ESC oko pokrenutog procesa za objedinjavanjem Europskog ehokardiografskog udruženja i RS za nuklearnu medicinu i kompjutoriziranu tomografiju te magnetsku rezonancu u jedinstveno novo udruženje (Association of Cardiovascular Imaging). Postojao je prijedlog čelnika ESC da se novom udruženju pridruži i RS CinC. No, članovima uprave ESC, prikazane su specifičnosti i transparentnost RS CinC kojoj su slikovni prikazi samo manji dio ukupne djelatnosti, s naglaskom koliko RS i kao samostalna može biti od svekolike pomoći novoformiranom udruženju. Zaključeno je zajednički da RS i dalje nastavlja svojim radom samostalno kao promicatelj transverzalne djelatnosti i svekolike primjene računalne znanosti u kardiologiji, ali još više intenzivirajući svoju djelatnost, poglavito uključivanjem novih članova, održavanjem simpozija i radu na tzv. "Proposition paper" u okviru svojih tema. Na taj način, u skorju budućnosti mogu se ostvariti preduvjeti za osnivanje tj. prijelaz iz RS u Vijeće (Council) ESC. Neka vanjska tijela ili organizacije postali bi pridruženi dijelovi Vijeća pa su već započeti razgovori primjerice s čelničtvom DICOM-a i konferencije "Computing in Cardiology". Glede još bolje transparentnosti i zorno definiranih ciljeva i misije ove RS članovi Nukleusa predložili su i s voditeljstvom ESC već raspravljali o prijedlogu promjene imena RS. Nakon datih prijedloga (eCardiology,

From 25<sup>th</sup> to 27<sup>th</sup> March 2011 the third European Society of Cardiology (ESC) Working Group (WG) "Computers in Cardiology" (CinC) Extra Nucleus Meeting was held in Barcelona. All ten members of the Nucleus and Ms. Celine Serio, the ESC coordinator, participated in it.

At the meeting, the WG Chairman, Dr Enno van der Velde, FESC (Netherlands) presented the work report during the previous period since the last ESC Congress. It was decided that the first day would be dedicated to organizational issues and the second day would be dedicated to scientific segment. Afterwards, Ms Serio presented a detailed report on changes in the organizational structure and organization of ESC and a potential aid aimed at better functioning of the WG. In respect of organization of the symposium, ESC can give advisory help, it can control contracts between organizers and sponsors, help with on-line registration of symposium and conference participants, promotional activities and communication among the members and colleagues who are not the WG members and provide certain financial aid. It was followed by a brief overview of the recently held ESC Spring Summit 2011.

Dr Nico Bruining, FESC (Netherlands) described the situation in ESC concerning the initiated process of integration of the European Association of Echocardiography and WG for Nuclear Medicine, Computerized Tomography, and Magnetic Resonance into the new integrated association (Association of Cardiovascular Imaging). The ESC Management proposed that the WG CinC should join this Association. However, the members of the ESC Management Board were shown some specific features and transparency of WG CinC where the images are only a smaller part of the total activities focusing on the fact how helpful the WG as an independent body can be to the newly established association. They commonly concluded that WS shall continue with its work independently as a promoter of transversal activity and overall use of computer science in Cardiology, thereby intensifying its activity mainly by involving new members, holding symposiums and the work on so called "Proposition Paper" within the scope of its topics. In this way, preconditions for establishment, that is, transfer from the WG to the ESC Council may be created in the near future. Some external bodies or organizations would become affiliated parts of the Council, which is why talks with the Management of DICOM and the conference "Computing in Cardiology" have already been initiated. For the purpose of improving the transparency, clearly de-



Computing in Cardiology i IT in Cardiology), u dva kruga glasovanja odlučeno je da novo ime RS bude eCardiology. Službeno pismo s prijedlogom promjene imena i zapisnikom izvanrednog sastanka bit će poslano čelništvu ESC i o tome bi se trebalo odlučivati na sastanku ESC u lipnju, kada bi nakon očekivane potvrde promjena imena RS uslijedile promptne izmjene na postojećoj kartici (flyers) RS za razdoblje 2010.—2012. godine, kako bi s novim imenom RS bila dostupna tijekom kongresa ESC u Parizu.

Nakon ove točke dnevnog reda, uslijedilo je promišljanje predsjednika RS o mogućim načinima kojima se može izazvati još više pozornosti za aplikaciju novih potencijalnih članova. Na kraju prvog dana sastanka uslijedila je rasprava o uređivanju i boljitku web stranice u kojoj su sudjelovali svi članovi nukleusa.

Drugi dan sastanka započeo je izlaganjem o sudjelovanju nekih članova na konferenciji pod nazivom "Policy Conference on cardiovascular medical devices regulation" budući je RS dio slikovne podskupine tehničkog dijela konferencije i bila je pozvana za raspravu o standardizaciji i algoritmu software-a slikovnih pretraga. Prof. Marek Malik, FESC (Ujedinjeno Kraljevstvo) je najavio sljedeći simpozij "The International Society for Holter and Noninvasive Electrocardiology" (ISHNE) koji će se u listopadu održati u Beogradu, Srbija. Također je kratko prikazao prijedlog smjernica nastao u suradnji sa ISHNE za "Alternirajući T val u stratifikaciji kardijalnog rizika" koji su poslani za objavu u časopisu *Journal of the American College of Cardiology*. Pred objavljivanjem je i članak Ass. Prof. Enrica Caiani (Italija) "Assessment of left ventricular mechanics by 3-D echocardiography". Za sljedeći kongres ESC prihvaćena su dva simpozija RS, a na "European meeting on Echocardiography and Non-invasive Cardiovascular Imaging" (bivši Euroecho) jedan simpozij. Dr. Enno van der Velde je izvijestio o inicijativi čelništva European Heart Rhythm Association (EHRA) o zajedničkom radu na objavljivanju publikacija u časopisu *Europace*.

Sukladno inicijativi o intezivnijem promicanju aktivnosti RS i transversalnosti koja se iščitava i promjenom imena, dr. sc. prim. Krstačić, tajnik RS ESC i Voditelj RS Uporaba računala u kardiologiji Hrvatskog kardiološkog društva (HKD) predložio je da se sljedeći izvanredni sastanak Nukleusa RS ESC umjesto već uobičajene lokacije u Barceloni<sup>1,2</sup> održi u Hrvatskoj. Predložio je i da se tom prigodom, kada nazoče svi članovi Nukleusa, organizira simpozij RS ESC u suradnji s RS HKD *Uporaba računala u kardiologiji*, što bi po prvi put bio sastanak s nekim nacionalnim kardiološkim društvom. Prihvaćen je prijedlog dr. Krstačića da se skup nazove "eCardiology": Nucleus meeting and Symposium.

Sastanak članova Nukleusa ESC odvijao bi se u dva poludnevna termina, a jedan cijeli dan između tih sastanaka bio bio simpozij u kojem bi priznati znanstvenici i stručnjaci, članovi Nukleusa, zajedno s kolegama iz Hrvatske izložili pozvana predavanja s temama (npr. iz područja intravaskularnog slikovnog prikaza, intervencijske kardiologije, elektrokardiologije, elektrofiziologije, ehokardiografije, umjetne inteligencije, teorije kaosa, prediktivnih modela i sl.) iz širokog područja gdje je računalna znanost neodvojiva od funkcioniranja metoda, slikovnog prikaza ili tumačenja nalaza u kardiologiji. Tijekom simpozija održala bi se i opća skupština RS (po prvi put izvan termina kon-

finied objectives and mission of this WG, the members of the Nucleus proposed and had already discussed with the ESC Management the proposal for a change of the name of WG. After the proposals were given (eCardiology, Computing in Cardiology and IT in Cardiology), in two voting circles the name eCardiology was decided upon. An official letter with a proposal for the name and Protocol of Extraordinary Meeting will be sent to the ESC Management which should be decided upon at the ESC meeting in June, when the expected verification of the change of the name of WG would be followed by prompt changes to the existing WG flyer for the period from 2010 to 2012, so that the WG may be available with the new name during the ESC Congress in Paris.

This item on the agenda was followed by thinking by the WG Chairman about any potential ways how to draw attention to the application of new potential member more efficiently. At the end of the first day of the meeting there was a discussion on editing and improving the web site, whereas all members of the Nucleus participated in this discussion.

The second day of the meeting started with a presentation of participation of some members at the conference called "Policy Conference on cardiovascular medical devices regulation" as the WG is the part of the imaging subgroup of the technical part of the conference, so it was called for discussion on software standardization and algorithm of imaging examinations. Prof. Marek Malik, FESC (United Kingdom) has announced the next symposium "The International Society for Holter and Noninvasive Electrocardiology" (ISHNE) that will be held in Belgrade, Serbia in October. He also briefly presented the proposal for guidelines made in cooperation with ISHNE for "Alternating T wave in stratification of cardiac risk" sent for publication in the *Journal of the American College of Cardiology*. The article by Ass Prof Enrico Caiani (Italy) "Assessment of left ventricular mechanics by 3-D echocardiography" is just to be publicized. Two WG symposiums were accepted for the next ESC Congress, while one symposium was accepted for "European meeting on Echocardiography and Non-invasive Cardiovascular Imaging" (former Euroecho). Dr. Enno van der Velde reported on an initiative by the leadership of European Heart Rhythm Association (EHRA) of joint work on publishing the publications in the journal *Europace*.

According to the initiative of more intensified promotion of the WG activities and transversality that is reflected in a change of the name, Head Doctor Krstačić, Secretary of ESC WG and Chairman of WG Use of Computers in Cardiology of the Croatian Cardiac Society (CCS) proposed holding of the next ESC WG Extra Nucleus Meeting in Croatia, instead of usual location in Barcelona<sup>1,2</sup>. On that occasion, he proposed that the ESC WG symposium should be organized in cooperation with CCS WG Use of Computers in Cardiology at the time when all Nucleus members were present, whereas there would be the meeting with some national cardiac society organized for the first time. The proposal by Dr. Krstačić to call the meeting "eCardiology": Nucleus meeting and Symposium was adopted.

The meeting of the ESC Nucleus members would be held in two half-day terms, while the symposium would



gresu ESC), a u njoj bi mogli sudjelovati ne samo članovi RS ESC i HKD već svi sudionici simpozija, što bi bila izvanredna mogućnost promicanja aktivnosti, kao i potpora aplikacijama budućih članova. Ovaj simpozij i sastanak Nukleusa je veliko priznanje HKD koje još od 2004. godine ima RS koja promiče računalnu znanost u kardiologiji. Simpozij i sastanak članova Nukleusa bit će održani u Osijeku od 15. do 17. ožujka 2012. godine, a prve obavijesti bit će uskoro na web portalu HKD i u *Kardio listu*.

Sukladno promjeni imena RS ESC u eCardiology dr. Krstačić je najavio upućivanje dopisa Upravnom odboru HKD da se dosadašnji naziv RS HKD Uporaba računala u kardiologiji promijeni u naziv RS eKardiologija.

Pri kraju sastanka je prof. Georg Schmidt, FESC (Njemačka), koji je godinama živio i radio u Japanu, podsjetio nazočne na patnje stanovnika nakon katastrofalnog potresa u toj državi te postavio upit kako bi RS, odnosno ESC moglo pomoći. Gđa. Serio će upit prosljediti gđi. Squarta, direktorici specijaliziranog centra ESC i očekuje se da bi se zaključci o oblicima pomoći mogli očekivati na sastanku čelništva ESC u lipnju ove godine.

Sastanak je okončan tradicionalnim zajedničkim fotografiranjem i idući redoviti sastanak Nukleusa i opća skupština članova ove RS zakazani su tijekom kongresa ESC u Parizu. No, niti jedan član Nukleusa kao i gđa Serio nisu propustili prigodu poručiti "Looking forward to see you all in Croatia".

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Figure 1. Working Group Nucleus members "Computers in Cardiology" and Ms. Celine Serio from the European Heart House.

## Literature

1. Krstačić G. Izvanredni sastanak nukleusa radne skupine "Computers in Cardiology" Europskog kardiološkog društva, Barcelona 2009. *Kardio list*. 2009;4(6-7):43-5.
2. Krstačić G. Izvanredni sastanak nukleusa radne skupine "Computers in Cardiology" Europskog kardiološkog društva, Barcelona 2010. *Kardio list*. 2010;5(7):97-9.

take place for a whole day between such meetings at which renowned scientists and experts, Nucleus members, together with Croatian colleagues would give the called lectures with topics (e.g. in the area of intravascular imaging, interventional cardiology, electrocardiology, electrophysiology, echocardiography, artificial intelligence, chaos theory, predictive models etc.) from the wide area where the computer science is inseparable from the functioning of methods, imaging or interpretation of findings in Cardiology. During the symposium, the WG General Assembly would be held (for the first time not at the time when the ESC congress takes place), at which not only the members of ESC WG and CCS WG, but also all symposium attendees could participate, which would be an excellent opportunity for promoting the activities and supporting applications of future members. This symposium and the Nucleus meeting would be a great recognition for CCS that since 2004 has had the WG promoting computer science in cardiology. The symposium and the meeting of the Nucleus members will be held from 15<sup>th</sup> to 17<sup>th</sup> March 2012 in Osijek, while the first notifications will soon be posted at CCS web portal and in *Kardio list*.

According to a change to the name of ESC WG into eCardiology, Dr Krstačić announced sending a letter to the CCS Management Board with proposal that the current name CCS WG Use of computer in Cardiology should be changed to WG eCardiology.

At the end of the meeting, Prof Georg Schmidt, FESC (Germany), who had lived in Japan for years, reminded the attendees of suffering of Japanese citizens caused by the disastrous earthquake in that country and asked how the WG or ESC could help. Ms Serio will forward the question to Ms Squarta, the ESC Specialization Center Director and we expect that the conclusions about the types of aid could be expected at the meeting of the ESC Management in June this year.

The meeting was finished by traditionally taking photographs while the next ordinary Nucleus meeting and the General Assembly of this WG has been called during the ESC Congress in Paris. However, Nucleus members and Ms Serio did not miss the opportunity to send the message "Looking forward to seeing you all in Croatia".