

ANNUAL REPORT 2010

The Nordic Association for Clinical Physics (NACP) was founded in 1962. The last and final general assembly of the NACP was held on June 10th. 2004. At this meeting the NACP was reorganised, got a new constitution, and since then the NACP is an umbrella organisation for the five Nordic Medical physics societies.

According to the constitution, the Annual Report shall be prepared by the president, approved by the council and sent to the presidents of the national member organisations (NMO). This Annual Report includes the year 2010, and was approved on the first council meeting in 2011.

Aims and purposes of the NACP

- a) To foster and co-ordinate the activities of the Nordic member organisations in the field of clinical physics in all its aspects.
- b) To establish relationships and collaboration where appropriate with national, regional and international societies and bodies in the fields related to clinical physics.
- c) To improve the standard of clinical physics activities within the Nordic countries.
- d) To promote Nordic co-operation within the field of clinical physics in scientific work, developments and education.
- e) To promote the exchange of scientific information on clinical physics and related fields of science.
- f) To recommend standards for education, training and accreditation programmes within the fields of clinical physics.
- g) To encourage scholarships and the exchange of scientific experts within appropriate fields.

The NACP strategy

The council has decided to establish a structure for the organisation based on need and simplicity. This means we will not start any activity without explaining why this activity is within the aims and purposes for the NACP. It also means we will try to make a “self-driven” organisation where the council plan, organise and make decisions and where task groups do most of the scientific and practical work. We will work towards making a solid foundation for a prosperous Nordic Association for Clinical Physics.

The council of the NACP:

During the report period the council has been:

President:	Cathrine Jonsson	Swedish Society for Radiation Physics
Secretary:	Jørgen Petersen	Danish Society for Medical Physics
Treasurer:	Ingerid Skjei Knudtsen	Norwegian Society for Medical Physics
Webmaster:	Mika Teräs	Finnish Association of Hospital Physicists
Delegate:	Gardar Myrdal	Icelandic Society of Biomedical Engineering and Medical Physics

Work within the council:

The council had 4 meetings in 2010, in March, June, September and December. All four council meetings were telephone meetings lasting usually for 2 hours.

The president prepared agendas for the meetings. Minutes were taken by our secretary. All minutes were approved on the following council meeting and can be found on our password protected web-pages. The secretary also sent the minutes to the presidents of the NMOs.

It is important that each NMO continue their responsibility to appoint delegates to the council.

In 2010 the council has worked on the following tasks:

- Organizing the work in the council itself
- Approval of the updated constitution
- Planning of the official NACP2011 Symposium in Uppsala
- Awards 2010
- Supporting the NACP Radiological Physics Committee
- Work towards creating a financial base within the NACP to support future arrangements
- Establishing cooperation with ACTA
- Creating guidelines for award winner reports
- Website matters

Some results of this work can be seen by visiting the NACP website: www.nacp-nordisk.org

Organizing the work within the council itself

The main work to facilitate the work in the council was the creation of the document “NACP List of duties”, including a “rotating list” for tasks within NACP. This document will be a valuable help in the council work.

Approval of the updated constitution

The original constitution was approved on the general assembly in Bergen June 10th, 2004. After 5 years of work within the council it was decided to evaluate how well the work fulfils the constitution. Rune Hafslund initiated the work in going through the paragraphs of the

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constitution, work that led to the evaluation of an updated version of the constitution ensuring that it comply with the actual work within the council. The resulting updated constitution led to minor changes to the actual paragraphs, but the key feature was the creation of the complementary document “Duties within the NACP” aiming at clarifying and simplifying the different paragraphs in the constitution. The document includes duties for the council, the president, the secretary, the web-master, the treasurer, the members of the award board, the national member organisations as well as a rotation list for the delegates. The first version of the duty list document was approved by the NMOs and can be found on the internal password protected web pages.

In September 2010 the NMO’s approved the updated version of the constitution. This version is published on the web-pages.

Planning of the official NACP2011 Symposium in Uppsala

Planning of the NACP2011 Symposium in Uppsala, Sweden continued. Chairpersons is Hans-Erik Källman, Cathrine Jonsson, Anders Montelius and Stefan Johnsson. The organization committee Henrik Båvenäs, Agnetha Gustafsson, Ylva Larsson, Anders Montelius, Anna Olsson, Ylva Surac, Eleonor Vestergren. The scientific committee is led by Michael Ljungberg, in collaboration with Per Nilsson, Håkan Nyström and Stefan Johnsson. The NACP advisory board is Mika Teräs, Søren Baarsgaard Hansen, Annette Fransson Andreo, Mette Skovhus Thomsen, Kirsten Nygaard, Miika Nieminen, Kjell-Inge Gjesdal, Simo Hyödynmaa, Mari Gårseth, Søren Baarsgaard Hansen, Karsten Eilertsen, Jolanta Hansen. All groups, especially the organization and scientific committee have done a tremendous job in preparing the Symposium.

The Norwegian Society for Medical Physics will replace the Medfysdagene 2011 with the NACP meeting and conduct the GA in connection with the NACP symposium. The other countries will try to arrange similar meeting during the meeting. The NACP2011 will be held 14-15 of April 2011.

Awards 2010

In December 2005 the council came to an agreement with Varian for a “Varian – NACP grant”. The “Varian-NACP grant” has deadline for application on March 01st each year. The aim of the grant is to support a clinically working physicist in the field of radiation therapy and to encourage research and development in the field. Moreover, the grant should promote and strengthen the relations and cooperation between Nordic and American physicists.

The winner of the 2009 Varian-NACP grant, Lars Nyvang, Department of Medical Physics at Aarhus University Hospital, performed his study tour to Memorial Sloan-Kettering Cancer Center in February (8th to 12th) 2010. The idea of his project was to discuss different kinds of strategies to boost hypoxic regions of a tumour, exploring treatment planning (dose painting) studies with different modalities and techniques such as RapidArc, IMRT, IMPT and carbon

ions (IMCIT). The planning studies will be based on CT and PET images acquired in Aarhus, with F-MISO and FAZA used as a surrogate marker of hypoxia.

In 2010 the application deadline was postponed to the 12th of March. By that date 8 applications was received. The winner of the 2010 award was Ditte Møller who will give a presentation on the NACP symposium in Uppsala 2011.

The “Siemens – NACP grant” with the aim to support a clinically working physicist visiting a Siemens installation in the field of Medical Imaging (Radiology, CT, Molecular Imaging or MRI) was suspended from 2010. The winner of the 2009 Siemens-NACP grant, Christoffer Laustsen, MR Research Centre at University of Aarhus, will perform his visit to the Department of diagnostic radiology, University of Minnesota in early 2011. The purpose of his 6 month visit is to learn the novel technique proposed by professor Michael Garwood from the Department of diagnostic radiology at the University of Minnesota and to incorporate this technique into experimental setup for proton and sodium studies.

Kommentti [CJ1]: Was this trip performed in 2010 Jörgen? No

The well established system of criteria’s (relevance, up-todateness, originality and usefulness) for selecting the winner from the applicants of the NACP grants” was used.

In 2010 the members of the NACP Award board was as shown in the table below.

Field	Finland	Sweden	Norway	Denmark	Award holder representative
Radiation therapy	Simo Hyödynmaa	Per Nilsson	Karsten Eilertsen	Mette Skovhus Thomsen	
Nuclear medicine	Mika Teräs	Michael Ljungberg (secretary)	Mari Gårseth	Søren Baarsgaard Hansen	
Radiology/MRI	Miika Nieminen	Annette Fransson Andreo	Hilde Olerud/ Kjell-Inge Gjesdal	Jolanta Hansen	

The NACP Radiological Physics Committee (RPC)

Hans-Erik Källman (Sweden) and Anne Catrine Martinsen (Norway) initiated the Radiological Physics Committee in 2009. The group started their work in 2010 with the following group members: Jolanta Hansen (Denmark), Toni Ihalainen (Finland), Kirsten Nygaard (leader, Norway) and Hans-Erik Källman (Sweden).

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The RPC asked the NMO's for financial guarantees for a CT course in Århus. The RPC got a financial support of 600 EUR from Norway and Sweden but it was agreed that the NACP should come up with a better strategy for requests of this kind in the future. A successful course in CT dosimetry, hosting 70 participants, was held in Årshus 10-12 Nov 2010.

In spring 2011 the RPC plan for a DICOM workshop in Sweden.

Establishing work towards creating a financial base within the NACP to support future arrangements

After the request from the RPC regarding financial support for the CT course the NACP discussed ways to make the future NACP able to support various arrangements. The request from the RPC came in a late stage of the course planning and the budget was not at that time well described. The Swedish NMO asked for a better strategy to handle this in future arrangements. A written proposal was created answering the questions from the Swedish NMO. The proposal describes guidelines for financial security and profit share from future NACP events. In addition a proposal was written where the NACP suggest a smaller fee from all NMO's (proportional to the number of members) to make a foundation and financial framework for NACP itself to support future NACP related events. Both proposals will be delivered to the NMO's in early 2011.

Establishing cooperation with ACTA

ACTA have sponsored the NACP Symposium in Uppsala the same way as was done in Århus 2008. Discussions are ongoing whether ACTA may be the official paper for the NACP. Ludvig Muren, Denmark, initiated these discussions.

Creating guidelines for award winner's reports

The secretary Jørgen Petersen created guidelines for written award winner reports. The guidelines were approved and published on the web.

Job advertising in the Nordic countries

As a first step towards common advertising of positions within the Nordic countries, links to Sweden and Finlands web pages have been created. Norway and Denmark will be liked to when their NMO pages are reorganised.

Website matters

The web pages have continuously been updated, but due to technical and financial matters all proposed changes, updates and improvements have not been possible to perform.

Future strategies

The council discussed the following strategies for the future:

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- Initiation new task group/committee within Nuclear Medicine Physics
- Initiation of a NACP dosimetry task group
- Common job advertisement on the NACP web-pages
- Evaluation of the need of a “NACP Young Scientist Group”
- Finland organiser of the NACP2014 Symposium
- Norway organiser of the NACP2017 Symposium

Account

The NACP (organisation number 802400-5343) have at it's disposal a bank account in Handelsbanken (Solna, SWEDEN). Cathrine Jonsson, president until March 2011 (the NACP treasurer until September 2008) has the right to make withdrawals from the account. Transactions in SEK, during 2010:

		Transactions				
		Date	Withdrawal	Deposit	Balance	EUR
		2009-12-31				28102,1
	Företagspaket	2010-01-01		1250,00		26852,1
Varian avg för grant 500EUR (pris 2009)	Varian award	2010-01-11			5150,00	32002,1
	Siemens award	2010-04-19			29056,50	61058,6
Till Christofer Lautsen	Siemens award to winner	2010-05-31	24203,00			36855,6
From Varian	Varian award + avg	2010-10-11			32317,95	69173,5
	Adm fee	2010-10-29		3,00		69170,5
	Varian adm fee	2010-11-10			4643,30	73813,8
To Ditte Sloth Moeller	Varian award	2010-11-02		32711,20		41102,6
	Adm fee	2010-11-30		3,00		41099,6

The amount on the account 2010-12-31 was: **41 100 SEK**.

Stockholm , March 22nd , 2011

Cathrine Jonsson
President