

Young Investigators' Workshop on Photon Detection for Medical Applications

Dear colleagues from medical physics working on gamma ray of photon detectors for medical imaging

I would like to propose a workshop in our field of research in order to provide an international platform for PhD students and young post-docs for the exchange of valuable information and experience. The aim is to support and encourage young scientists to contribute to the topic of gamma ray detection. In the following I would like to outline the general concepts of this workshop:

The motto is: From young scientists for young scientists. Thus, it is important that everyone will get the chance to present their current work in a talk or through a poster. Enough time will be given to thoroughly discuss their work and results with all colleagues from other groups and also to get the input from more experienced scientists. Everyone will therefore get a good overview over the current status of gamma ray detection concepts for medical imaging and will learn about difficulties and prospects.

In addition to the talks by the participants, the plan is to invite a keynote lecturer for an overview-presentation in the field. That talk should give some insight on the applicability and clinical practice of gamma detectors and the current status at the frontier of research and could also include some background or historical steps in the development.

Since we would like to promote the networking of scientists in this research community, also a social event is planned so that especially the young members of the different groups can get to know each other. For this purpose there will be a conference dinner in the evening of the first day.

The workshop should not exceed a duration of 2 full days. A rough structure is given on the next page. The target group would be any young physicist working on the development, test or improvement of a gamma detector for medical applications. Any student or post-doc in this field is welcome to participate.

For organizing purposes and coffee-breaks with snacks and refreshments a small conference fee would have to be collected. Although travel expenses and hotel costs would be on self-pay basis, some financial support by the MediNet network might also be possible.

In order to provide enough time for organizing, a reasonable time for such an event would be in summer 2019 (June-July) or later in October. The exact dates depend on the feedback of the different groups.

A cost efficient and uncomplicated organization could be performed at my home university in Siegen, Northrhein-Westphalia. Good connections are available by train or car via the autobahn A45. The airports in Frankfurt, Cologne and Dusseldorf can be reached within 90 minutes.

Convinced that a workshop, as described above, would be a large enrichment for our research area, I would offer to take lead in organizing such an event. Provided that there is considerable interest, I am happy to receive your feedback and input as well as a preference for a convenient time for the workshop by 31st of January 2019.

Looking forward to your reply.

Reimund Bayerlein
University of Siegen, Germany
bayerlein@hep.physik.uni-siegen.de

First draft of a workshop structure

The implementation of a poster session and also the length of the talks and discussions depend on the number of participants. Talks are planned to be in the range of 12-15 min plus about 15 min discussion.

Day 1

TIME	ITEM ON AGENDA	PRESENTERS
8:45	Welcome talk and organizational matter	the organizers
9:00	Presentations by young scientists	participants
10:45	Coffee break	-
11:15	Presentations by young scientists (II)	participants
13:00	Lunch Break	-
14:00	Presentations by young scientists (III)	participants
15:30	Poster Session	participants
16:30	Coffee break	-
17:00	Invited highlight talk	keynote lecturer
19:00	Conference dinner	everyone

Day 2

9:00	Presentations by young scientists (IV)	participants
10:45	Coffee break	-
11:15	Presentations by young scientists (V)	participants
13:00	Lunch Break	-
14:00	Poster Session (II)	participants
15:00	Final feedback round and official farewell	the organizers