

Gabriele Spina
Nieuwstraat 29
Eindhoven 5611DA, The Netherlands

January 24, 2016

Bram Geerets
Yacht
Larixplein 7
5616 VB Eindhoven

Dear Bram:

It is with great interest that I am forwarding my resume to you for the part-time position related to the clinical study that will be conducted within Philips.

I graduated in Biomedical Engineering with honors and I am currently a last year PhD student at Philips Research (Smart Professional Spaces group) and at the department of Signal Processing Systems of TU/e.

My Ph.D. was part of the successfully completed Philips Project iCare4COPD under Contract PNE101005. In particular, my efforts aim to investigate and further develop signal processing and machine learning algorithms to analyze data comprising patient's physiological parameters and objectively assessed physical activity acquired in free living conditions. The extracted information can be used to unobtrusively monitor and assess patients and to obtain new markers of patient's improvements.

During my Ph.D. I was involved in large studies and I developed extensive experience in writing data collection protocols, setting up clinical studies, collecting and analyzing big amount of data related to different sensor modalities. These studies resulted in the publication of several papers in both technical and medical journals. I also developed field experience related to patient and physician contact in pulmonary rehab center (CIRO+, Horn, The Netherlands).

Moreover, I contributed to the Philips Intellectual Property with innovative ideas among which: one was selected as first Runner up at Philips Sleep and Respiratory Care's first Creative Playground and three were filed as patents.

My belief is that I could make significant contributions to this project and that my education and abilities will be employed to their full potential in this position.

I have enclosed my resume for your review. I look forward to hearing from you.

Sincerely,

Gabriele Spina