MAASTRO, Maastricht Radiation Oncology, is a co-operation of the Maastricht University (UM), MAASTRO clinic and the Maastricht University Medical Center (MUMC+). The objective of MAASTRO clinic is to provide care to oncology patients in the broadest sense of the word, in particular by means of radiotherapy. There are three main science divisions within Maastrro, i.e. Maastro Clinic, Maastro Physics, and Maastro Lab. We co-operate with other scientific institutes such as the department of Biomedical Technology (BMT) from the TU/e in Eindhoven, the Department of Nuclear Medicine and the department of Radiology of the MUMC+ and the Laboratory of Radiation Biology. MAASTRO is also collaborating with various companies such as Siemens Healthcare, Philips Medical Systems, and various small and medium companies. We are looking for a:

Software developer/engineer with an interest in physics and medical imaging
or a
Physicist, bio-medical engineer with an interest in software development/engineering

(36 hours p/w) M/F

Work description
The work will be performed in the context of a large European Union (FP7) funded grant called ARTFORCE (acronym for Adaptive and innovative Radiation Treatment FOR improving Cancer patients treatment outcome). MAASTRO is responsible in this project for the dissemination of quality control (QC) software tools that were developed at MAASTRO to the other participating centers in the consortium. These QC tools are currently used in routine clinical practice at MAASTRO Clinic. For this we are looking for a physicist, biomedical engineer, software programmer or a person with an equivalent background who will be responsible for further developing, installing and configuring these tools at other centers.
The work includes adaptation of the current installation to be distributed externally and afterwards configuration of the software tools at the various hospitals of the participating centers located in Amsterdam, Manchester, Barcelona, Villejuif (Paris) and Stockholm. You are expected to travel to these institutes several times during the project and will be the person responsible for installation, maintenance and technical questions.

You will work within a team of medical physicists, software engineers and researchers, you will be responsible for the technical part of the project.

Job requirements: We are looking for a candidate who has completed a Bachelors or Masters (or equivalent) training in software engineering, candidates with a BSc or MSc in technical studies such as computer science, (bio)medical engineering, electrical engineering, physics or equivalent technical training with a proven interest in software development are also encouraged to apply.
Programming experience in a Matlab and/or C++/C# development environment or equivalent is required. Experience with medical imaging techniques (CT, MRI, PET), formats (DICOM) and image analysis is appreciated. Also experience with databases (My-SQL) and medical systems (PACS) is recommended but not necessary. You have good interpersonal skills and are fluent in English.

Working conditions of MAASTRO clinic are largely established in the Conditions of Employment and salary is based on the appropriate Dutch Collective Labour Agreement for Hospitals (CAO-Ziekenhuizen). Temporary employment is offered for an initial period of one year with the intention to extend up to a maximum of 4 years. The salary is depending on the relevant experience with a maximum of € 3495 gross/month. Furthermore the Collective Labour Agreement offers an extended package of secondary conditions, among others an 8%-holiday bonus, a yearly bonus and excellent pension arrangements and health insurance arrangements.
Further information will gladly be provided by dr.ir. Wouter van Elmpt, dr.ir. Bas Nijsten or prof.dr.ir. Frank Verhaegen through the general number of MAASTRO clinic: (+31) (0)88-4455666 or by email: wouter.vanelmpt@maastro.nl, bas.nijsten@maastro.nl or frank.verhaegen@maastro.nl.

Your application letter, Curriculum Vitae can be sent before the 1st of April 2011 to the attention of dr.ir. W. van Elmpt by e-mail to: personeelszaken@maastro.nl, or in hard copy to MAASTRO CLINIC, Afdeling personeelszaken, P.O. Box 3035, 6202 NA Maastricht.