

### **Conference report NRS Young Investigator Travel Grant – Didier Lustermans**

From a period of July 23 until July 27, I attended the American Association of Physicists in Medicine (AAPM) 65th Annual Meeting in Houston, Texas. During the conference there were multiple invited speakers, proffered papers and posters with topics ranging from developer perspective until clinic implementation.

I had the opportunity to present my own research about the development of a dynamic lung phantom to optimize and improve the image quality for lung cancer patients in a new cone-beam CT system. At the conference I could network with leading experts in the field and gained more knowledge about radiotherapy. In particular, it helped significantly by gaining knowledge and future cooperation possibilities for strategies to verify dosimetric accuracy in lung cancer patients by the use of an anthropomorphic phantom.

Furthermore, the lectures, posters and discussions delivered at the conference expanded my knowledge, it had multiple parallel sessions and therefore planning properly what topics were relevant was important. For example, lectures about a new generation of CTs (photon-counting systems) were highly interesting, as they present future possibilities to further optimize the image quality in radiotherapy.

In conclusion, AAPM enabled an amazing experience and educational benefit for my research. Didier Lustermans PhD student