

# Curriculum Vitae

## Hunor Kertész

Date of birth: 1. April 1992  
Place of birth: Sfântu Gheorghe, Romania  
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## Education

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Oct. 2017 - Present **Doctor of Philosophy (PhD) in Medical Physics**, Medical University of Vienna, Austria

Aug. 2014 - Oct. 2016 **Master of Science (MSc) in Engineering**, MedTech Master Degree Programme, Functional Imaging, Conventional and Ion Radiotherapy, University of Applied Sciences Wiener Neustadt, Austria

Oct. 2011 - Jul. 2014 **Bachelor of Science (BSc) in Physics, Specialization Medical Physics**, "Babes-Bolyai" University, Faculty of Physics, Cluj-Napoca, Romania

Oct. 2012 - Jul. 2014 **Pedagogical Module Level 1**, "Babes-Bolyai" University, Teacher Training Department, Cluj-Napoca, Romania

Sep. 2008 - May. 2011 **High School Diploma**, Székely Mikó High School, Profile: Biology-Chemistry, Sfântu Gheorghe, Romania

## Work experience

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Oct. 2017 - Present **Scientific Employee**, QIMP Team, Center for Medical Physics and Biomedical Engineering, Medical University of Vienna, Austria

Nov. 2016 - Feb. 2017 **Application Software Developer**, medPhoton GmbH, Salzburg, Austria

Aug. 2016 - Oct. 2016 **Student Assistant**, Department of Radiation Oncology within the Christian Doppler Laboratory for Medical Radiation Research for Radiation Oncology, Medical University Vienna/General Hospital of Vienna (AKH), Vienna, Austria

Nov. 2015 - Jun. 2016 **Master Thesis Project**, Department of Radiation Oncology within the Christian Doppler Laboratory for Medical Radiation Research for Radiation Oncology, Medical University of Vienna/General Hospital of Vienna (AKH), Vienna, Austria

Mar. 2014 - May. 2014 **Bachelor Thesis Project**, "Babes-Bolyai" University, Nuclear Physics Laboratory, Cluj-Napoca, Romania

## Scientific presentations

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### Publications:

N. Kostiukhina, A. Sipaj, S. Rollet, H. Furtado, P. Andrzejewski, E. Steiner, I. Rausch, **H. Kertész**, D. Georg, P. Kuess. Advanced Radiation Dosimetry System (ARDOS) - A novel breathing phantom for radiation therapy, Physics in Medicine and Biology.

### Conference abstracts:

**H. Kertész**, A. Renner, I. Rausch, T. Beyer and J. Cal-Gonzalez. *Validation of GATE Monte Carlo simulations of combined PET/CT and PET/MRI systems:*

- Austrian Society of Medical Physics, ÖGMP Tagung June 2018, Vienna, Austria - **Oral presentation**

**H. Kertész**, A. Renner, I. Rausch, T. Beyer and J. Cal-Gonzalez. *Simulation and Image Reconstruction of the Combined Siemens PET/CT and PET/MRI Systems:*

- Bioinformatics of Genome Regulation and Structure \ System Biology (BGRS\SB-2018), August 2018, Novosibirsk, Russia - **Oral Presentation**
- European Association of Nuclear Medicine (EANM), October 2018, Düsseldorf, Germany - **Accepted for Poster Presentation**
- IEEE - Nuclear Science Symposium and Medical Imaging Congress, November 2018, Sydney, Australia - **Accepted for Poster Presentation**

**H. Kertész**, T. Traub-Weidinger, I. Rausch, T. Beyer and J. Cal-Gonzalez. *Evaluation of Reconstruction Algorithms and Image Quality of Pediatric Patients:*

- IEEE - Nuclear Science Symposium and Medical Imaging Congress, November 2018, Sydney, Australia - **Accepted for Poster Presentation**

**H. Kertész**, T. Traub-Weidinger, I. Rausch, T. Beyer and J. Cal-Gonzalez. *Evaluation of administrated dose and image quality of pediatric patients:*

- European Association of Nuclear Medicine (EANM), October 2018, Düsseldorf, Germany - **Accepted for Oral Presentation**

### Memberships

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- 2018 European Society for Hybrid Medical Imaging (ESHI), Full Member
- 2018 European Association of Nuclear Medicine (EANM), Junior Member
- 2018 IEEE Student Member
- 2018 European Society of Radiology (ESR), Full Member

### Volunteering

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- 05.2018 - Present **YSA Board member: IT & Communication**, Young Scientists Association of the Medical University of Vienna
- 10.2017 - 05.2018 **Co-worker**, Young Scientists Association of the Medical University of Vienna

## Personal skills

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Mother language: Hungarian

Language	Understanding	Speaking	Writing
English	C1	C1	C1
Romanian	C1	C1	C1
German	B1	B1	B1

Computer skills:

Professional user:	Microsoft Office Tools (Word, Excel, PowerPoint), HTML, CSS, XML
Advanced knowledge:	Qt creator, C#, C++, MatLab
Operating Systems:	Microsoft Windows, Mac OS, Linux Ubuntu