1) 会議又は集会の概要
The ‘Nuclear Science Symposium (NSS) and Medical Imaging Conference (MIC)’ was held together with the ‘24th Symposium on Room-Temperature X-ray and Gamma-Ray Detectors’ from 21st to 28th October 2017 in Atlanta, USA. NSS had several oral presentation sessions such as Analog and Digital Circuits, Scintillators, Photodetectors, Gaseous Detectors, Gamma Imaging Applications, Neutron Imaging Applications etc. and two poster sessions. MIC had oral sessions such as Image Reconstruction, Data Corrections and Quantitative Imaging, Clinical Emission Tomography, Non-emission Tomography, Imaging in Radiotherapy and Spectral and Low Dose CT etc. and three poster sessions. The program also consisted of several interesting plenary talks done by experts in the field.

2) 会議の研究テーマとその討論内容
NSS part discussed about radiation instrumentation, software, and their applications. MIC part discussed about ionizing radiation technologies; SPECT, PET, X-ray, and CT, along with combinations with other imaging technologies such as MR and optical. Applying deep learning methods in imaging applications was one of the popular topics discussed. Some other interesting research topics for me were on spectral and low dose CT, high resolution PET systems and dose monitoring and range verification for heavy iron therapy.
3) 出席した成果
By attending this conference, I could get an overall idea of the ongoing research on nuclear science and medical imaging. It was a great opportunity for me to get the ideas from other experts on my research work. Many people were interested in my work. Several professors told that they are looking forward to know the progress and to read a full paper about my work. Also it was great to see the experts in nuclear science and medical imaging field and listen their success stories which motivated me to conduct research.

4) その他
The grant given by the Nakatani Foundation, Japan helped me to join this conference and get the maximum out of this valuable opportunity by releasing me from the related financial burdens such as the airfare and accommodation cost. So I am grateful to the Nakatani Foundation, Japan for providing financial support to attend this conference.