

**Session Program**

**7 September 2018**

**2nd deep neural network workshop**

***Deep learning***

Univ. of Seoul, Science and Technology Bldg ( ) Room 112

# Friday 7 September

10:00

## Deep learning: Lecture and Tutorial

**Session** | **Location:** Univ. of Seoul, Science and Technology Bldg ( ) Room 112

10:00–10:50 **Deep learning basics**

**Speaker**

Junghwan Goh

10:50–12:00 **Deep learning tutorial**

**Speaker**

Ian James Watson

12:00

13:00

## Deep learning: Deep learning tutorial and applications

**Session** | **Location:** Univ. of Seoul, Science and Technology Bldg ( ) Room 112

13:00–13:40 **Tutorial part 2**

**Speaker**

Ian James Watson

13:40–13:55 **Analyzing ROOT tree with Keras**

**Speaker**

Jae Hoon Lim

14:00–14:30 **Deep learning for quark/gluon discrimination**

**Speaker**

Seungjin Yang

14:30–15:00 **Deep learning for FCNC search**

**Speaker**

Jiwon Park

15:00–15:30 **Generative methods for creating realistic backgrounds**

**Speaker**

Su Yong Choi

15:30

16:00

## Deep learning: Deep learning applications

**Session** | **Location:** Univ. of Seoul, Science and Technology Bldg ( ) Room 112

16:00–16:30 **Multiple Quantile estimation by deep neural network**

**Speaker**

Prof. Jongjune Jeon

16:30–17:00 **Machine learning in large scale cosmic data**

**Speaker**

Dr Sung Wook Hong

17:00-17:30

**Machine learning in Heavy Ion Physics**

**Speaker**

Prof. MinJung Kweon

17:30-18:00

**Binary vs Multiclass Classifiers using Deep Neural Networks in search for Higgs boson pair production at the LHC**

**Speaker**

Dr Wonsang Cho

18:30