

## **Session Program**

**13-17 Jan 2019**

# **1st School for Particle Detectors and Applications at KNU (SPDAK 2019)**

## ***Silicon and Radiation Detection***

Department of Physics, Kyungpook National University, Room 216-1 of NS1  
80 Daehakro Department of Physics Bukgu, Daegu 41566 Republic of Korea

## Monday 14 January

15:30

### Silicon and Radiation Detection

**Session** |

**Location:** Department of Physics, Kyungpook National University, Room 216-1 of NS1, 80 Daehakro Department of Physics Bukgu, Daegu 41566 Republic of Korea

15:30-16:20

**Introduction to silicon detectors****Speaker**

Dr Jik Lee

16:30

16:20-16:30

**Break**

## Tuesday 15 January

09:00

### Silicon and Radiation Detection

**Session** |

**Location:** Department of Physics, Kyungpook National University, Room 216-1 of NS1, 80 Daehakro Department of Physics Bukgu, Daegu 41566 Republic of Korea

09:00–09:50

#### Introduction to Radiation Detection

**Speaker**

Prof. Hwanbae Park

09:50–10:00

#### Break

10:00–12:00

#### Demonstration of radiation detection with HPGe, Liquid Scintillation Counting and Ion Chamber

**Speaker**

Prof. Hwanbae Park

12:00

13:00

### Silicon and Radiation Detection

**Session** |

**Location:** Department of Physics, Kyungpook National University, Room 216-1 of NS1, 80 Daehakro Department of Physics Bukgu, Daegu 41566 Republic of Korea

13:00–13:30

#### Design and simulation of silicon detector (demonstration)

**Speaker**

Prof. Hwanbae Park

13:30–13:40

#### Break

13:40–15:40

#### Silicon module production and bonding

**Speaker**

Prof. Hwanbae Park

15:40–18:00

#### Measurements of I-V characteristic and radiation

**Speaker**

Prof. Hwanbae Park

18:00