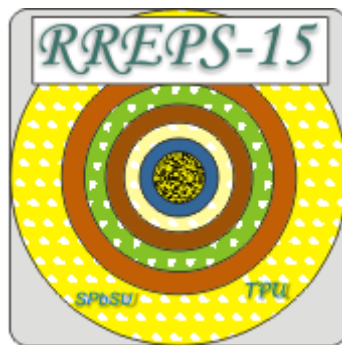


## **Session Program**

**6-12 Sept 2015**



## **Radiation from Relativistic Electrons in Periodic Structures "RREPS-15"**

### ***3. Parametric X-Radiation***

## Tuesday 8 September

09:00

### 3. Parametric X-Radiation

Session | Convener: Junji Urakawa

09:00–09:30

#### **Kinematic theory of the parametric X-ray radiation with use of the Fresnel coefficients**

##### **Speaker**

Alexander Shchagin

09:30–09:45

#### **Linear Theory of Self-Amplified Parametric X-ray Radiation from High Current Density Electron Bunches**

##### **Speaker**

Andrei Benediktovitch

09:45–10:00

#### **Comparison of DTR spectral-angular characteristics of divergent beam of relativistic electrons in scattering geometry of Laue and Bragg**

##### **Speaker**

Sergey Blazhevich

10:00–10:15

#### **Parametric X-ray radiation from relativistic electrons interacting with a textured polycrystals**

##### **Speaker**

Dr Alexander Kubankin

10:15–10:30

#### **Spatial distribution of PXR generated by 855 MeV electrons. Comparison of simulation results with experimental data.**

##### **Speaker**

Prof. Igor Vnukov

10:30–10:45

#### **Effect of Temperature Gradient on Parametric X-Ray Radiation Status of Experiment**

##### **Speaker**

Vahan KOCHARYAN

10:45–11:00

#### **Parametric X-ray Radiation from Divergent Composite Bunches in Kinematic Theory**

##### **Speaker**

Alexandr Savchenko

11:15