

## **Session Program**

**3 January 2018 to 1 December 2018**



## **Student's Zone 2018 of the NICA Project**

***SCS 2018 / CZiITT***

JINR DUBNA, B: 215; room 327  
Joliot Curie 6

# Friday 9 November

09:00

## SCS 2018 / CZiITT: TeFeNica-2018

### Session

09:00–09:10 **BMN online monitoring development**

#### Speaker

Mr Tomasz Bałdyga

09:10–09:20

**Development and implementation of algorithms for BM@N GEM detector realistic simulation.**

#### Speaker

Ms Elwira Schneider

09:20–09:30

**Software development for particles analysing in pPb collisions at ALICE experiment at energy  $\sqrt{s_{NN}}=5.02$  TeV**

#### Speaker

Mr Aleksander Szpakiewicz-Szatan

09:30–09:40

**Measurements of radon (Rn-222) concentration in air samples from soil - RADON STATION**

#### Speakers

Ms Klaudia Zardzewiała, Ms Monika Kutyla

09:40–09:50

**Cosmic ray measurements - using those detectors in huge physical experiments as LHC or NICA**

#### Speakers

Arkadiusz Foks, Sylwia Bazak, Piotr Wawrzyńczak, Regina Stachura, Mariusz Tomczyk, Magdalena Kolodziej

09:50–10:00

**Design of cooling system for equipment installed in RACK's 42U and 47U 19", and constructions for cable, fibre optic and pipe routes**

#### Speaker

Bartłomiej Juruc

10:00–10:10

**Slow control software for RACK power supply of Tof gas system**

#### Speaker

Dorota Zielińska

10:10–10:20

**Fire extinguishing system development for the Slow Control System. (about Firesi FRS-RACK)**

#### Speaker

Mr Nikita Diunin

10:20–10:30

**Intelligent Distribution System**

**Speakers**

Rami Faraj, Tomasz Kowalski

**Location**

Other Institutes

10:30–10:40

**ANDROID APPLICATION FOR NICA COMPLEX MANAGEMENT****Speakers**

Adam Biegański, Piotr Chruślicki, Marta Monikowska

10:40–10:50

**Gas System Control User Interface****Speakers**

Marek Wiejak, Przemysław Kaim

10:50–11:00

**Development of the mixer module software for the gas system of the TOF/MPD detector****Speaker**

Ms Angelika Kwiatek

11:00–11:30

**Coffee Break**

11:30–11:40

**Adaptation of advanced regulators for gas system control Time of Flight detector in the NICA experimental complex.****Speaker**

Zuzanna Treichel

11:40–11:50

**Development of analysis module software for the gas system of the TOF/MPD detector****Speaker**

Mr Michał Staniszewski

11:50–12:00

**Returning gas pressure stabilization system in ToF detector using a pump suspended on magnetic bearings.****Speaker**

Michał Gontarz

12:00–12:10

**Returning gas pressure stabilization system in ToF detector using membrane pumps****Speaker**

Mr Grzegorz Załęski

12:10–12:20

**Robot for measurements in space X Y Z****Speaker**

Mr Jakub Sękowski

12:20–12:30

**Laser sensor locating the magnetic field indicator inside the main magnet of the BM@N detector**

**Speaker**

Michał Szlupowicz

12:30–12:40

**Rover Vehicle; Measuring Robots for Great Physical Experiments****Speaker**

Mr Szymon Mączka

12:40–12:50

**Development of software for monitoring temperature inside RACK cabinets for the Slow Control System of the TOF-MPD detector****Speaker**

Marek Brynda

12:50–13:00

**Simulation of the heat transfer in the RACK cabinets****Speaker**

Mr Adam Kwaśnik

13:00–13:10

**Simulation of the heat transfer in the TOF-MPD****Speaker**

Maciej Czarnynoga

13:10–13:20

**Analyzing the thermal images taken by Fluke TiS20 thermal imager****Speaker**

Filip Protoklitow

**Subcontributions**

Slow Control Warsaw 2018

13:20–13:30

**Opportunities for young scientists and specialists at LHEP in JINR****Speaker**

Mr Krystian Roslon

14:00