XIth Quark Confinement and the Hadron Spectrum

September 8-12, 2014

Saint-Petersburg State University, Russia

Scientific Programme

Section A:
Vacuum Structure and Confinement Vacuum configurations

Section B:
Light Quarks.

Section C:
Heavy Quarks

Section D:
Deconfinement QCD at finite temperature

Section E:
QCD and New Physics Physics

Section F:
Strongly Coupled Theories

Vacuum structure and confinement.

Kei-Ichi Kondo (Chiba University)

Reformulations of the Yang-Mills theory toward quark confinement and mass gap

A. Young (Petersburg Nuclear Physics Institute)

Lessons from SUSY: ''Instead-of-Confinement'' Mechanism

L. Glozman (University of Graz)

Dynamical QCD string and its symmetries

S. Afonin (PetersburgUniversity)

Bottom-up holographic approach to QCD

Light Quarks

- V. Mathieu (Indiana University)

Amplitude Analysis in Light Hadron Spectroscopy

- V. Shtabovenko (Technische Universität München)

Van der Waals forces in pNRQED and pNRQCD

STRONGLY COUPLED THEORIES

- L. Lipatov (Petersburg Nuclear Physics Institute)

Non-perturbative effects for the BFKL equation

in QCD and in N=4 SUSY

- M. Järvinen(University of Crete)

Recent progress in holographic QCD