1. Fundamental courses

M. Mueller-Preussker, Humboldt-Universitaet Berlin (Germany)
"Introduction to lattice gauge theory I"

K. Jansen, NIC, DESY-Zeuthen (Germany)
"Introduction to lattice gauge theory II"

A. Sternbeck, Friedrich-Schiller Universitaet Jena (Germany)
"Simulations with (hybrid) Monte Carlo algorithms"

O. Philipsen, J. W. Goethe Universitaet Frankfurt (Germany)
"QCD at high temperature and baryonic density"

C. Hoelbling, Bergische Universtitaet Wuppertal (Germany)
"Lattice hadron spectroscopy"

M. Goeckeler, Universitaet Regensburg (Germany)
"Hadron structure from lattice QCD"

M. Golterman, San Francisco State University (USA)
"Chiral perturbation theory"

A. Walker-Loud, College of William & Mary and Jefferson Lab. (USA)
"Connecting QCD to nuclear physics with the lattice"

2. Future experiments

F. Maas, Helmholtz Institut Mainz (Germany)
"Low energy precision physics"

O. Rogachevsky, VBLHEP, JINR Dubna (Russia)
"Perspectives for relativistic nuclear physics at the NICA accelerating complex"

G. Trubnikov, JINR Dubna (Russia)
"Accelerator complex NICA: a low energy heavy ion collider"

3. Theoretical topical lectures

V. Bornyakov, IHEP Serpukhov and ITEP Moscow (Russia)
"Color-magnetic monopoles in finite teperature QCD"

G. Endrodi, Universitaet Regensburg (Germany)
"External magnetic fields in lattice QCD"

P. Buividovich, Universitaet Regensburg (Germany)
"Anomalous transport phenomena: lattice perspective"

O. Teryaev, BLTP, JINR Dubna (Russia)
"Rotating QCD media"

D. Smith, Technische Universitaet Darmstadt (Germany)
"Graphene as lattice field theory"

4. Programming techniques on hybrid architectures

Lectures and tutorials by the heterogeneous computations group of the JINR Laboratory of Information Technologies(LIT)

D. Podgainy, "Excursion to the Central Information and Computing Complex of LIT"

O. Streltsova, "Introductory talk"

E. Alexandrov, "Introduction to work on the cluster"

E. Zemlyanaya, "OpenMP parallel programming technology"

T. Sapozhnikova, "MPI parallel programming technology"

O. Streltsova/M. Zuev, "Parallel programming with CUDA"

A. Ayriyan, "OpenCL parallel programming technology"

LIT group, "Practical training: comparison of GPU, multi-core CPU and IntelXeonPhi coprocessor approaches"