



Preface

On 5-9 July, the 9th International Conference “Distributed Computing and Grid Technologies in Science and Education” (GRID’2021) was held in the Meshcheryakov Laboratory of Information Technologies in a mixed format. The GRID conference, which takes place every two years, was dedicated to the 65th anniversary of JINR and the 55th anniversary of the foundation of the Laboratory of Computing Techniques and Automation (LCTA, now MLIT).

The conference traditionally attracted a large community of Russian and foreign experts ready to discuss emerging challenges and prospects related to the use and development of distributed grid technologies, heterogeneous and cloud computing in different fields of science, education, industry and business. This year the list of conference topics was complemented with quantum computing.

More than 270 scientists (103 – in person, over 170 – remotely) from research centers of Armenia, Belarus, Bulgaria, China, the Czech Republic, Egypt, France, Germany, Georgia, Iran, Italy, Moldova, New Zealand, Poland, Romania, Slovakia, Sweden and Switzerland took part in the conference. Russia was represented by participants from 28 universities and research centers. The conference was organized in ten sessions, where issues associated with the development of distributed computing technologies, cloud technologies, heterogeneous computing, volunteer computing and Big Data analytics, machine learning and quantum information processing were discussed.

A number of plenary talks at the conference were made by representatives of the IT industry, who were sponsors of the conference. Among them were IBS Platformix, IT Cost, Niagara Computers, Dell EMC, RSC Group, Intel, Softline. Their reports provided an IT development analysis and presented trends in the development of storage systems, computer communications, novel computing architectures, as well as touched upon the issues of the design of large-scale computing centers.

The presentations of the talks and photos are available at <http://grid2021.jinr.ru>

Chairman

Korenkov V.V.