IV All-Russian scientific and practical conference with international participation
"Distance Learning Technologies" (DLT), Yalta, Crimea"

Yalta, Crimea, September 16-21, 2019

PREFACE

The scientific and practical conference «Distance Learning Technologies» (DLT’2019) is annually held by the Saint-Petersburg Electrotechnical University and V.I. Vernadsky Crimean Federal University. This collection includes 50 peer-reviewed articles presented at the conference. A total of 87 notes, papers and scientific reports were considered at the conference.

CONFERENCE TOPICS AND SECTIONS

SECTION 1. Modern paradigms of open educational space;
SECTION 2. Cloud technologies in the creation of an educational environment;
SECTION 3. Distance technologies in inclusive education;
SECTION 4. Telecommunication systems and computer networks;
SECTION 5. Modeling of complex systems;
SECTION 6. Information systems and technologies in economics and management;
SECTION 7. Information security.

PROGRAM COMMITTEE

- GLUZMAN Alexander Vladimirovich, Doctor of Pedagogical Sciences, Professor, Academician, Director of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta - chairman of the program committee.
- MAKOVEICHUK Krystina Aleksandrovna, Candidate of Economic Sciences, Docent, Chair of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta – vice-chairman of the program committee.
- TARAN Victoria Nikolaevna, Candidate of Technical Sciences, Associate Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta – vice-chairman of the program committee.
- PETRENKO Sergei Anatolyevich, Doctor of Technical Sciences, Professor, Head of the Information Security Center of Innopolis University, Professor of the Information Security Department of the Saint-Petersburg Electrotechnical University.
- TARKHOV Dmitriy Albertovich, Doctor of Technical Sciences, Professor of the Higher Mathematics Department of the Peter the Great St. Petersburg Polytechnic University.
- MARKOV Alexey Sergeevich, Doctor of Technical Sciences, Professor of the Information Security Department of the Bauman Moscow State Technical University, Member of the Expert
Council under the Government of the Russian Federation, Member of the IEEE and ACM International Associations, President of Scientific and Production Association "Echelon", Expert of the Russian Academy of Sciences, RFBR and Federal Means Certification Authorities information security.

- KADAN Alexander Mikhailovich, Yanka Kupala State University of Grodno, Chair of the Department of System Programming and Computer Security, Candidate of Technical Sciences, Associate Professor, Grodno, Belarus.
- KRACHUNOV Hristo Atanasov, Technical University-Varna, Candidate of Technical Sciences, Doctor of Engineering, Associate Professor, President of the International Association for Sustainable Development, Varna, Bulgaria.
- PANKRATOVA Olga Petrovna, North Caucasus Federal University, Chair of the Department of Informatics of the Institute of Information Technologies and Telecommunications, Candidate of Pedagogical Sciences, Associate Professor, Stavropol.
- SULEIMENOV Ibragim Esenovich, Almaty University of Power Engineering and Telecommunications, Academician of NIA RK, Doctor of Chemistry, Candidate of Physical and Mathematical Sciences, Professor, Almaty, Kazakhstan.
- TIMIRGALEEVA Rena Rinatovna, Doctor of Economics, Professor, Director of the Institute of Economics and Management of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
- BUCHATSKY Pavel Yuryevich, Candidate of Technical Sciences, Docent, Chair of the Department of Automated Information Processing Systems and Management of the Faculty of Engineering and Physics of the Adyghe State University.
- OLIFFIROV Alexander Vasilyevich, Doctor of Economics, Professor, Chair of the Department of Economics and Finance of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
- GRISHIN Igor Yuryevich, Doctor of Technical Sciences, Professor, Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
- TSUKANOV Alexander Viktorovich, Doctor of Technical Sciences, Professor, Professor of the Management and Business Analytics Department of the Sevastopol State University.

ORGANIZING COMMITTEE

- GLUZMAN Alexander Vladimirovich, Doctor of Pedagogical Sciences, Professor, Academician, Director of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta - chairman of the organizing committee.
- MAKOVEICHUK Krystina Aleksandrovna, Candidate of Economic Sciences, Docent, Chair of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta – vice-chairman of the organizing committee.
- TARAN Victoria Nikolaevna, Candidate of Technical Sciences, Associate Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta – vice-chairman of the organizing committee.
- CHETYRBOK Pyotr Vasilyevich, Candidate of Technical Sciences, Associate Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta – vice-chairman of the organizing committee.
- PONOMAREVA Elena Yuryevna, Candidate of Psychological Sciences, Professor, Deputy Director for Research of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• GORBUNOVA Natalya Vladimirovna, Doctor of Pedagogical Sciences, Professor, Professor of the Russian Academy of Education, Deputy Director for Academic Affairs, Head of the Department of Pedagogical Skills of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• BOYARCHUK Nadezhda Konstantinovna, Candidate of Pedagogical Sciences, Deputy Director of the Institute of Economics and Management for Scientific and Educational Work of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• DYADICHEV Valery Vladislavovich, Doctor of Technical Sciences, Professor, Head of the Projects Department of Scientific and Technical Programs and Grants of V.I. Vernadsky Crimean Federal University.
• MITSAI Yuriy Nikolaevich, Doctor of Physics and Mathematics, Professor, Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• MAYOROVA Angela Nikolaevna, Candidate of Physical and Mathematical Sciences Associate Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• OLEINIKOV Nikolay Nikolaevich, Senior Lecturer, Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• FILIMONENKOVA Tatyana Nikolaevna, Senior Lecturer, Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• GALLINI Nadezhda Igorevna, Senior Lecturer, Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• LINNIK Ivan Ivanovich Candidate of Technical Sciences, Docent, Associate Professor of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.

ORGANIZATION COMMITTEE SECRETARIAT

• MAKOVEICHUK Krystina Aleksandrovna, Candidate of Economic Sciences, Docent, Chair of the Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.
• OLEINIKOV Nikolay Nikolaevich, Senior Lecturer, Department of Informatics and Information Technologies of Humanities and Education Science Academy (branch) of V.I. Vernadsky Crimean Federal University in Yalta.

Sergei A. Petrenko, Dmitriy A. Tarkhov