



SUAI



Ветер перемен

ГОСУДАРСТВЕННЫЙ ФОРУМ ПЕДАГОГОВ



UNESCO IITE Week 2019 within the XIV International Festival "Wind of Change"

St. Petersburg, Russian Federation

25 – 29 November 2019

PROGRAMME FOR TEACHERS

At the initiative of the UNESCO Institute for Information Technologies in Education (UNESCO IITE)

Under the auspices of the Commission of the Russian Federation for UNESCO

Supported by:



DOBOT



United Nations Educational, Scientific and Cultural Organization

National Coordination The Russian Federation



UNESCO Associated Schools



QUALITY OF THE NEW CENTURY



United Nations Educational, Scientific and Cultural Organization



UNESCO Chair on Sciences of Education



Herzen State Pedagogical University of Russia



United Nations Educational, Scientific and Cultural Organization



UNESCO Chair in Training and Retraining of Specialists under Market Economy Conditions
The University of Management TISBI
The Russian Federation, the Republic of Tatarstan



ОРГАНИЗАЦИЯ ОБЪЕДИНЕННЫХ НАЦИЙ ПО ВОПРОСАМ ОБРАЗОВАНИЯ, НАУКИ И КУЛЬТУРЫ



КАФЕДРА ЮНЕСКО ДИСТАНЦИОННОЕ ИНЖЕНЕРНОЕ ОБРАЗОВАНИЕ САНКТ-ПЕТЕРБУРГСКИЙ ГОСУДАРСТВЕННЫЙ УНИВЕРСИТЕТ АЭРОКОСМИЧЕСКОГО ПРИБОРОСТРОЕНИЯ, РОССИЯ



United Nations Educational, Scientific and Cultural Organization



UNESCO Chair on Education Quality Management for Sustainable Development, Peter the Great St. Petersburg Polytechnic University, a federal state institution of higher education, Russia



United Nations Educational, Scientific and Cultural Organisation



UNESCO Chair on Comparative Studies of Spiritual Traditions, their Specific Cultures and Interreligious Dialogue

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Primary objectives:

- perform a review and discuss domestic expertise, initiatives and strategies concerning the ICT use in education and the promotion of educational transformation leveraged by advanced technologies;
- identify the key trends of integrating emerging technologies into educational process;
- facilitate the development of new competencies among teachers and learners;
- perform exchange of innovative approaches and best practices, applied in formal education for pursuing SDGs through Information Technologies (IT) and Artificial Intelligence (AI);
- enhance motivation of pupils, students and teachers for learning advanced technologies (including 3D technology and AI) and acquiring new skills;
- ascertain and disseminate best practices of SDG-oriented teaching and learning activity management within the employment of sophisticated technologies;
- contribute to the development of ICT competencies.

Key topics for discussions

- Application of innovative information technologies in mainstream school education;
- 3D modelling, design and programming;
- Information and communication technologies and teaching practices for the achievement of SDGs;
- 3D visualization technologies in school curricula;
- Collaboration and networking through the benefit of interactive (synchronized) video technologies;
- Communication of experience in digital education and ICT application;
- Leading information technologies to preserve the World Heritage for future generations.

Invited Experts:

- Ms Natalia Amelina, Senior National Project Officer in Education, Chief of Teacher Professional Development and Networking Unit at UNESCO IITE;
- Dr Dhruv Patel, Chief Executive Officer and Founder of Nisai Group, United Kingdom;
- Ms Corrina Cooke, Head of Online Learning, Nisai Group, United Kingdom;
- Ms Natalia Larionova, Executive Director of the "UNESCO Associated Schools" Project in the Russian Federation, University of Management "TISBI";
- Ms Melanie Harwood, Co-founder and CEO of eduCCate Global – Climate Change Teacher Training Academy, United Kingdom;
- Mr. Fucai Wu , General Manager of DOBOT Shandong, China;
- Mr Maxim Mikhalev, Associate Professor, Scientific Training Centre for Social Anthropology, Russian State University for the Humanities;
- Mr Aleksey Mikhailov, Vice-Chairman of the Committee for the state preservation of historical and cultural monuments, Government of Saint Petersburg;
- Ms Victoria Pushkina, Head of Department, the Committee for the state preservation of historical and cultural monuments, Government of Saint Petersburg ;
- Mr Vladimir Okrepilov, Academician, Chairperson, UNESCO Chair on Education Quality Management for Sustainable Development of the Peter the Great St. Petersburg Polytechnic University;
- Mr Valery Monakhov, Chairperson, UNESCO Chair on Education in Multicultural Society of the Herzen State Pedagogical University of Russia (the Herzen University);

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- Mr Dmitry Spivak, Chairperson, UNESCO Chair of the Russian Research Institute for Cultural and Natural Heritage named after Dmitry Likhachev, Russia;
- Mr Vladimir Blinov, President and CEO of Co. Ltd. “SVEGA-Computer”, Russia;
- Ms Daria Solomina, Deputy Chief Executive Officer for Marketing, Co. Ltd. “SVEGA-Computer”, Russia;
- Mr Boris Vainberg Deputy Chief Executive Officer for International Projects, Co. Ltd. “SVEGA-Computer”, Russia;
- Mr Stanislav Chernyshov, Head of Methodical and Technical Departments, DOBOT Products in Russia, LLC “Examen-Technolab”;
- Mr Sergey Morozov, Senior lecturer, Department of Innovation and Integrated Quality Systems of SUAI, Expert in Grant Competitions for Youth Projects, Federal Agency for Youth Affairs, Russia.

VENUE:

Saint Petersburg	Saint Petersburg State University of Aerospace Instrumentation (SUAI)	67, Bolshaya Morskaya Street
Saint Petersburg	The Herzen State Pedagogical University of Russia	3A, Kazanskaya Street

PROGRAMME FOR TEACHERS

Sunday, 24 November 2019	
Arrival of experts and participants to Saint Petersburg	
Monday, 25 November 2019	
<u>Venue:</u> Saint Petersburg State University of Aerospace Instrumentation (SUAI), 67 Bolshaya Morskaya Street, St. Petersburg, Russian Federation	
09.30 - 10.00	Registration of participants
10.00 - 11.30	Official opening of the Week (Conference Hall 53-03).
10.00 – 11.30	<p><u>Welcome speeches:</u></p> <ul style="list-style-type: none"> – Ms Yulia Antokhina, Rector of SUAI; – Mr Alexey Demidov, Chairman of the Higher Education Rectors Committee of Saint Petersburg and the Leningrad Region; – Ms Natalia Amelina, Senior National Project Officer in Education, Chief of Unit of UNESCO IITE; – Mr Anatoly Ovodenko, President of SUAI, Chairperson, UNESCO Chair of SUAI; – Mr Andrey Maximov, Chairman of the Scientific and Higher Education Committee, Government of Saint Petersburg ; – Mr Evgeny Grigoriev, Head of the Committee for External Relations, Government of Saint Petersburg; – Mr Aleksey Mikhailov, Vice-Chairman of the Committee for the state preservation of historical and cultural monuments, Government of Saint Petersburg; – Mr Lailin Sun, Consul on Education of the Consulate General of the People’s Republic of China in Saint Petersburg; – Mr Valery Monakhov, Chairperson, UNESCO Chair of the Herzen University; – Mr Vladimir Okrepilov, Academician, Chairperson, UNESCO Chair of Peter the Great St. Petersburg Polytechnic University; – Mr Dmitry Spivak, Chairperson, UNESCO Chair of the Russian Research Institute for Cultural and Natural Heritage named after Dmitry Likhachev;

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	<ul style="list-style-type: none"> – Ms Natalia Larionova, Executive Director of the "UNESCO Associated Schools" Project in the Russian Federation; – Ms Tamara Vlasova, Principal of the General Secondary School No.1 of Saint Petersburg with advanced English learning, Regional Coordinator of the UNESCO Associated School Network; – Mr Vladimir Blinov, President and CEO of Co. Ltd. "SVEGA-Computer", Russia.
11.30 – 11.50	Coffee-break (Round Hall 53-01)
11.50 – 12.20	<p>Invited talk for teachers: "DOBOT Manipulative Industry Robotics in Education"</p> <p>Mr Stanislav Chernyshov, Head of Methodical and Technical Departments, DOBOT products in Russia, LLC "Examen-Technolab" (Conference Hall 53-03)</p> <p>(Live webcast and simultaneous interpreting to be provided)</p>
12.20 – 12.50	<p>Invited talk for teachers: "Developing Programming Skills Through DOBOT Technologies" (Conference Hall 53-03)</p> <p>Mr. Fucai Wu, General Manager of DOBOT Shandong, China</p> <p>(Live webcast and interpreting to be provided)</p>
12.50 – 14.00	Lunch break
14.00 – 15.30	<p>Workshop 1. "Inclusion" (Conference Hall 53-03)</p> <p>Facilitator: Ms Corrina Cooke, Head of Online Learning, Nisai Group, UK</p> <p>(Live webcast and interpreting to be provided)</p>
15.30 – 15.50	Coffee-break (Round Hall 53-01)
15.50 – 17.20	<p>Workshop 2. "Sustainable Development Goals (SDG)" (Conference Hall 53-03)</p> <p>Facilitator: Ms Corrina Cooke, Head of Online Learning, Nisai Group, UK</p> <p>(Live webcast and interpreting to be provided)</p>
17.20 – 17.50	<p>Daily debriefing, Q&A, Discussions</p> <p>Chair: Ms Natalia Amelina, Senior National Project Officer in Education, Chief of Unit at UNESCO IITE</p>
Tuesday, 26 November 2019	
<u>Venue:</u> Saint Petersburg State University of Aerospace Instrumentation, 67 Bolshaya Morskaya Street, St. Petersburg, Russian Federation	
09.00 – 09.30	Registration of participants ("Leonardo da Vinci" Scientific Exhibition Hall)
09.30 – 11.00	<p>"Interactive session for teachers and students: 3D Lessons" ("Leonardo da Vinci" Scientific Exhibition Hall)</p> <p>Ms Daria Solomina, Deputy Chief Executive Officer for Marketing, Co. Ltd. "SVEGA-Computer", Russia); Mr Boris Vainberg, Deputy Chief Executive Officer for International Projects, Co. Ltd. "SVEGA-Computer", Russia</p>
11.00 – 11.20	Coffee-break ("Leonardo da Vinci" Scientific Exhibition Hall)
11.20 – 12.50	<p>Workshop 3. "Technologies of 3D visualization for classroom education" ("Leonardo da Vinci" Scientific Exhibition Hall)</p> <p>Facilitator: Mr Vladimir Blinov, President and CEO of Co. Ltd. "SVEGA-Computer", Russia</p>

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12.50 – 14.00	Lunch break
14.00 – 14.40	<p>Invited talk for teachers: “Transforming Teaching and Learning at Schools for Achieving SGD 4: Turning Theory into Practice with ICT” (Conference Hall 53-03)</p> <p>Chair: Dr Dhruv Patel, CEO and Founder of Nisai Group, UK</p> <p>(Live webcast and simultaneous interpreting to be provided)</p>
14.40 – 15.20	<p>Invited talk for teachers: “The use of ICT in ASPnet Schools for the Achievement of the Sustainable Development Goals” (Conference Hall 53-03)</p> <p>Chair: Ms Natalia Larionova, Executive Director of the "UNESCO Associated Schools" Project in the Russian Federation</p> <p>(Live webcast and simultaneous interpreting to be provided)</p>
15.20 – 15.40	Coffee-break (Round Hall 53-01)
15.40 – 17.10	<p>Workshop 4. “Artificial Intelligence for School Teachers” (Conference Hall 53-03)</p> <p>Facilitator: Mr Maxim Mikhalev, Associate Professor, Scientific Training Centre for Social Anthropology, Russian State University for the Humanities</p> <p>(Live webcast and simultaneous interpreting to be provided)</p>
17.10 – 17.40	<p>Daily debriefing, Q&A, Discussions</p> <p>Chair: Ms Natalia Amelina, Senior National Project Officer in Education, Chief of Unit at UNESCO IITE</p>
Wednesday, 27 November 2019	
<u>Venue:</u> The Herzen State Pedagogical University of Russia, 3A, Kazanskaya Street, St. Petersburg, Russian Federation	
09.30 – 10.00	Registration of participants
10.00 – 11.30	<p>Final Stage of the Competition for Teachers “Advanced Practices of ICT application for the Achievement of the Sustainable Development Goals” (Pavlovsky Hall)</p> <p>Demonstration of top 10 presentations.</p> <p>Chair: Ms Natalia Larionova, Executive Director of the "UNESCO Associated Schools" Project in the Russian Federation</p> <p>(Online participation of ASPnet Schools from other regions of the Russian Federation and abroad)</p>
11.30 – 11.50	Coffee-break (White Hall)
11.50 – 12.30	<p>Invited talk for teachers: “Information Technologies and Artificial Intelligence within the Human Science” (Pavlovsky Hall)</p> <p>Mr Valery Monakhov, Chairperson, UNESCO Chair on Education in a Multicultural Society of the Herzen University</p> <p>(Live webcast to be provided)</p>
12.30 – 13.40	Lunch break
13.40 – 15.10	<p>Workshop 5. “Network Services for Educational Animation” (Building 1, Lecture Hall 221)</p> <p>Ms Irina Simonova, Professor, Ms Tatyana Ustyugova, Assistant,</p>

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	Chair of Digital Education, Institute for Information Technologies and Technological Education of the Herzen University
15.10 – 15.30	Break
15.30 – 17.00	<p>Workshop 6. “Digital Sound Engineering: Establishment of Cooperation between Higher Educational Establishments and Mainstream Schools in the domain of the “World Skills” Activities” ("Musical software technologies" Academic lab (Building 1, Lecture Hall 239)</p> <p>Prof. Irina Gorbunova, Head of the "Musical Software Technologies" Academic lab of the Herzen University; Irina Tovpich, Principal of the "Music" General Secondary School No. 8 of Saint Petersburg; Olga Yasinskaya, Sound Engineer, Postgraduate student, "Musical Software Technologies" Academic lab of the Herzen University</p>
15.30 – 17.00	<p>Inauguration of the Children and Youth Engineering Creativity Centre (Building 1, 1st floor)</p> <p>Ms Vera Popova, Head of the Children and Youth Engineering Creativity Centre, the Herzen University</p>
17.00 – 17.20	Coffee-break (Building 1, 1 st floor)
17.20 – 17.50	<p>Daily debriefing, Q&A, Discussions (Building 1, 1st floor)</p> <p>Chair: Mr Valeriy Monakhov, Chairperson, UNESCO Chair on Education in a Multicultural Society of the Herzen University</p>
Thursday, 28 November 2019	
<u>Venue:</u> The Herzen State Pedagogical University of Russia, 3A Kazanskaya Street, St. Petersburg, Russian Federation	
09.30 – 09.45	Registration of participants
09.45 – 10.25	<p>Invited talk for teachers: “Educational Foresight and Digital Technologies” (Building 1, Lecture Hall 335)</p> <p>Ms Tatyana Pavlova, Associate Professor of the Digital Education Department, Institute for Information Technologies and Technological Education of the Herzen University</p> <p>(Live webcast to be provided)</p>
10.25 – 11.45	<p>Workshop 7. “Web-based E-Learning Technologies” (Building 1, Introduction – Lecture Hall 318, Practical sessions – rooms 322,316,317,318)</p> <p>Ms Natalia Karpova, Associate Professor; Ms Tatyana Ilyina, Senior Lecturer; Mr Pavel Aksyutin, Assistant; Ms Ekaterina Ivanova, Assistant; Institute for Information Technologies and Technological Education of the Herzen University</p>
11.45 – 12.00	Coffee-break
12.00 – 13.30	<p>Workshop 8. “Educational Robotics” (Building 1, Lecture Hall 234)</p> <p>Mr Pavel Frolov, President of JSC «ROBBO»</p> <p>(Live webcast to be provided)</p>

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13.30 – 14.30	Lunch break
14.30 – 16.00	Workshop 9. “Teaching Technology Application” (Building 1, Lecture Hall 234) Ms Corrina Cooke, Head of Online Learning, Nisai Group, United Kingdom; (Live webcast and interpreting to be provided)
16.00 – 16.40	Invited talk for Teachers: “Climate Change and Education” (Building 1, Lecture Hall 234) Melanie Harwood, Co-founder and CEO of eduCCate Global – Climate Change Teacher Training Academy, United Kingdom; Livestream presentation
16.40 – 17.00	Coffee-break
17.00 – 17.30	Daily debriefing, Q&A, Discussions Chair: Mr Mikhail Puchkov, Vice-Chancellor for Innovative Activities and Information Technologies, the Herzen University
Friday, 29 November 2019	
<u>Venue:</u> Saint Petersburg State University of Aerospace Instrumentation, 67 Bolshaya Morskaya Street, St. Petersburg, Russian Federation	
09.30 – 10.00	Registration of participants (“Leonardo da Vinci” Scientific Exhibition Hall)
10.00 – 11.30	Presentations Competition for Teachers “How to Use New Technologies to Preserve the World Heritage for Future Generations”. Announcement of the competition results. Demonstration of the top 10 presentations. (“Leonardo da Vinci” Scientific Exhibition Hall) Chair: Ms Victoria Pushkina, Head of Department, the Committee for the state preservation of historical and cultural monuments, Government of Saint Petersburg (Online connection to be provided for competitors from other regions of the Russian Federation and abroad)
11.30 – 12.00	Coffee-break (“Leonardo da Vinci” Scientific Exhibition Hall)
12.00 – 12.30	Announcement of the competition results. Chair: Ms Victoria Pushkina, Head of Department, the Committee for the state preservation of historical and cultural monuments, Government of Saint Petersburg
12.30 – 13.30	Workshop 10. “Contests for Youth Project Initiatives: the Use of ICT in Social Design and Expert Project Evaluation” (“Leonardo da Vinci” Scientific Exhibition Hall) Chair: Mr Sergey Morozov, Associate Professor, Department of Innovation and Integrated Quality Systems of SUAI, Expert in Grant Competitions for Youth Projects, Federal Agency for Youth Affairs.
13.30 – 14.00	Coffee-break (Round Hall 53-01)
14.00 – 15.30	Official closing of the Week. Certificate award ceremony (Conference Hall 53-03)
Saturday, 30 November 2019	
Departure of participants and experts	