Digitalization and Artificial Intelligence Tools
Roundtable Workshop

PROGRAM

Tuesday 1 October 2019
Wodak Room, IIASA

10:00  Welcome remarks
by Nadejda Komendantova, Research Scholar, IIASA Advanced Systems Analysis Program

10:10  Greetings
by Nafisa Yusupova, Head, Department of Computational Mathematics and Cybernetics, Ufa State Aviation Technical University; and Andrey Melnikov, Director, Ugra Research Institute of Information Technologies

10:15  Keynote speech “Transformations toward Sustainable Future for All”
by Nebojsa Nakicenovic, Senior Guest Research Scholar, IIASA Transitions to New Technologies Program; Executive Director of The World in 2050 (TWI2050); former IIASA Deputy Director General and Deputy Chief Executive Officer

10:35  Presentation on “Technology of Big Data analysis and processing intended for solving the problems of regularities’ detection, machine learning, estimation models’ construction, prognostication, and decision-making over a finite set of alternatives and other activities”
by Alexander Geyda, St. Petersburg Institute for Informatics and Automation of the Russian Academy of Sciences

10:45  Presentation on “Perceptions of Artificial Intelligence tools: Co-Inform Project”
by Nadejda Komendantova, Research Scholar, IIASA Advanced Systems Analysis Program

10:55  Presentation on “Development of technological bases in which problem-oriented models, methods and intelligent systems are created for solving practically important problems in medicine, agriculture, underwater robotics, psychology and other subject areas”
by Valeriya Gribova, Institute of Automation and Control Processes (Far-East Branch of the Russian Academy of Sciences)
11:05 Presentation on “Digitalization and uncertainties”
by Leena Ilmola-Sheppard, Senior Research Scholar, IIASA Advanced Systems Analysis Program; Special Advisor to Finland’s Prime Minister’s Office; Scientific Coordinator of the Global X-Network (GXN)

11:15 Presentation on “Introduction of activity at the laboratory of IT for Energy Systems”
by Lyudmila Massel, Head of the IT for Energy Systems Laboratory, Melentiev Energy Systems Institute (Siberian Branch of the Russian Academy of Sciences)

Presentation on “The Linker platform: A tool for distributed multi-objective decision making”
by Valeria Javalera Rincón, Research Scholar, IIASA Ecosystems Services and Management Program

11:35 Coffee break

11:55 Presentation on “Mathematical models of soft randomized estimation for predicting the dynamics of methane accumulation in thermokarst lakes in Arctic regions”
by Andrey Melnikov, Director, Ugra Research Institute of Information Technologies

Presentation on “Advanced methods for Big Data, ML, and AI problems: No smooth stochastic optimization and stochastic quasigradient methods”
by Tatiana Ermolieva, Research Scholar, IIASA Ecosystems Services and Management Program

12:05 Presentation on “Intelligent Transport Geographic Information System ITSGIS”
by Tatyana Mikheeva, Samara University

12:25 Presentation on “Qualitative methods of systems analysis for scenario planning”
by Nikita Strelkovskii, Research Scholar, IIASA Advanced Systems Analysis Program

Presentation on “The influence of environmental factors and environmental conditions in assessing the risks of diseases based on the elemental status of a human”
by Irina Bolodurina, Head of the Department of Applied Mathematics, Orenburg State University

12:35 Summary of the workshop and closing remarks
by Nadejda Komendantova, Research Scholar, IIASA Advanced Systems Analysis Program

13:00 End of the workshop