

## An international postgraduate student of SPbPU successfully defended his candidate dissertation

An international postgraduate student of Peter the Great St. Petersburg Polytechnic University from Syria successfully defended his candidate dissertation. The defense was held at the Dissertation Council of SPbPU. Ramadan AMER's work is devoted to the use of renewable energy sources in Syrian conditions. The young scientist was supervised by Victor ELISTRATOV, Doctor of Engineering, Professor of the Higher School of Hydraulic and Power Engineering Construction, SPbPU.



*“Ramadan AMER has conducted extensive research on the assessment of Syria’s energy situation and renewable energy opportunities, the results of which have high potential and implementation prospects, especially in the current state of the Syrian economy. Throughout his time at Polytechnic University - first as a Master’s degree student and then as a postgraduate student - Ramadan proved to be an active, proactive and systematically working student. The theme he was working on was really topical and very complex. For its part, the scientific team of Polytechnic University has extensive experience in research and development of power supply technologies in various natural and climatic conditions and helps our foreign graduates successfully perform and implement research work in their home*

countries,” commented Professor ELISTRATOV.

Ramadan AMER studied in Russia for more than seven years: first, he studied Russian at Polytechnic University as part of his university preparatory program, then he continued his Master’s degree program at SPbPU. The next step was postgraduate studies in the field of “Nuclear, thermal, and renewable energy and related technologies.”



*“The topic of my work is ‘Justification of parameters of power supply systems based on renewable energy sources for the conditions of Syria’,” Ramadan said. “This is essential for my country, and when I return home, I plan to continue my work in my chosen field. Of course, it was not easy during the seven years I spent in St. Petersburg: I learned Russian from scratch and worked very hard. But the result was worth it. I would like to express my gratitude to the management of Polytechnic University, my supervisor, and the entire SPbPU team for their help and support.”*

During his graduate studies at SPbPU, Ramadan AMER was the first to evaluate the gross and technical wind and solar energy resources in Syria using the Global Wind Atlas and Solar Map Atlas electronic resources and created atlases of wind and solar energy resources using an original methodology. He also was the first to develop an engineering methodology to assess the energy, environmental and economic efficiency of building wind and solar farms in Syria.

*“I hope to be able to contribute to the development of wind and solar energy in Syria. By its climatic and geographical conditions, Syria has significant and inexhaustible solar energy resources, practically attractive wind energy resources, which are reasonable to use for the development of the country's energy sector. And I am very glad that St. Petersburg Polytechnic gave me a huge theoretical and practical material,”* noted Ramadan AMER.

Prepared by the SPbPU International Office

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