

Ph. D., D. S., Prof Serhiy Serbin

Admiral Makarov National University of Shipbuilding, Nikolayev, Ukraine

Serhiy Ivanovich Serbin, Ukrainian mechanical engineer, researcher. Achievements include patents for plasma-chemical reactors, plasma-chemical burners and plasma igniters for power plants; first to design and deploy plasma-chemical combustion intensification systems for marine and stationary gas turbines in Union of the Soviet Socialist Republics and Ukraine.

Background

Serbin, Serhiy Ivanovich was born on April 29, 1958 in Mykolayiv, Ukraine. Son of Ivan Zhakharovich and Tamara Korniyivna Serbin.

Education

Diploma in mechanical engineering, Mykolayiv Shipbuilding Institute, 1981. Candidate of science, Mykolayiv Shipbuilding Institute, 1985. Doctor of Science, Ukrainian Maritime Technology University, Mykolayiv, 1999.

Career

From senior development engineer to senior lecturer Mykolayiv Shipbuilding Institute, 1981-1990. Associate professor Ukrainian State Maritime Technology University, Mykolayiv, 1990-1999, professor, since 1999. Vice-chairman department turbine units Ukrainian State Maritime Technology University, Mykolayiv, since 1991, dean power technical faculty National University Shipbuilding, Kherson Branch, since 2003.

Achievements

Serhiy Ivanovich Serbin has been listed as a noteworthy mechanical engineer, researcher by Marquis Who's Who.

Membership

Member Ukrainian Science and Technology Society, Ukrainian Council on Combustion and Explosion, Ukrainian Academy Shipbldg. Sciences, Academy Engineering Sciences Ukraine, International Academy Maritime Sciences, Technologies and Innovations.

Selected publications

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| 1. Theoretical investigations of the working processes in a plasma coal gasification system | Serbin, S.I., Matveev, I.B. | 2010 IEEE Transactions on Plasma Science
38(12 PART 1),5618572, pp. 3300-3305 |
| 2. Modeling of the coal gasification processes in a hybrid plasma torch | Matveev, I.B., Serbin, S.I. | 2007 IEEE Transactions on Plasma Science
35(6 PART 1), pp. 1639-1647 |
| 3. Plasma fuel nozzle as a prospective way to plasma-assisted combustion | Matveev, I.B., Matveeva, S.A., Kirchuk, E.Y., Serbin, S.I., Bazarov, V.G. | 2010 IEEE Transactions on Plasma Science
38(12 PART 1),5555980, pp. 3313-3318 |
| 4. Integrated plasma coal gasification power plant | Matveev, I.B., Washcilenko, N.V., Serbin, S.I., Goncharova, N.A. | 2013 IEEE Transactions on Plasma Science
41(12),6668906, pp. 3195-3200 |
| 5. Investigations of the working process in a lean-burn gas turbine combustor with plasma assistance | Serbin, S.I., Matveev, I.B., Mostipanenko, G.B. | 2011 IEEE Transactions on Plasma Science
39(12 PART 1),6043912, pp. 3331-3335 |

Connections

Married Irayida Borisivna Rigina, April 27, 1984. 1 child Katerina.