Title: Some Applications of Neuroscientific Research to Second Language Acquisition

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Attention, Motivation, Memory and Automaticity are the major factors of success in second language acquisition. The presenter will address those factors in terms of neuroscientific underpinnings and practical applications to curriculum design and best teaching practices. The neurobiological mechanisms underlying stimulus appraisal (amygdala, prefrontal cortex, hippocampus, and ventral tegmentum) will be discussed in order to understand their relevance to important factors in learning such as attention, memory, and the construction of declarative and procedural knowledge.

More than 4,000 pages of the Defense Language Institute Russian Basic Course were redesigned keeping those neuroscientific factors in mind in order create the optimal learning environment. The course was exceptionally well received by both students and faculty and produced outstanding results. Samples of materials as well results of students’ and teachers’ questionnaires will be shared with the audience.


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