



**Review of educational program and plan for training of masters by specialty
“Software Systems”
prepared by
Software Engineering Department of National Aviation University**

The Institute for Information Theories and Applications FOI ITHEA[®] is an international nongovernmental organization functioning since 2002 year. It is the central scientific organization of ITHEA[®] International Scientific Society (ITHEA[®] ISS), which is aimed to support growing collaboration between scientists from all over the world. Till now, the ITHEA[®] International Scientific Society has been joined by more than 4000 members from 58 countries from all over the world. An important place in the activities of ITHEA[®] ISS take the publishing activities and the organization of international IT conferences, which since 1993 have been held in Spain, Bulgaria, Poland, Egypt, Ukraine and other countries.

Cooperation between ITHEA[®] ISS and Software Engineering Department of NAU started in 2015 year. During this cooperation, more than 10 students published results of their investigation as papers in the ITHEA[®] International Scientific Journals that are published by ITHEA[®] ISS. The publications show high level of scientific researches and present new practical and theoretical approaches in software engineering field.

Educational program “Software Systems” reflects concept of fundamental methodological training for preparation masters of software systems.

The structure and interconnection of educational disciplines allows obtaining basic skills as well as for further education preparing to PhD programs and obtaining successful start for working in European Union countries in industry of system software development.

I would like to note the originality of this program among well-known universities’ programs for software specialists’ education. It has several educational disciplines as “Software Engineering Fundamentals”, and “Methodology of Scientific Researches”, and “AGILE Methodology” that create basic knowledge for creative and fundamental scientific work. Such a block of educational disciplines is a good basis for understanding of analytical foundations of software development lifecycle processes.

Reviewing educational plan of “Software Systems” specialty, I have noted that topics of the already published by ITHEA[®] papers are closely connected and based on the knowledge received

by the educational disciplines like “Advanced Technologies Supporting Software Development Lifecycle” and “Research of Modern Approaches to Design and Support of Software Systems”, which are included in the plan.

In conclusion, I would like to note that represented educational program and plan can provide training of educated specialist for preparing PhD thesis, which is oriented on investigation to actual topics in Software Engineering and publishing their results to Scientific Societies with possibilities to adoption in World Scientific communities.

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ITHEA® Director



Prof. Dr. Krassimir Markov