

## **Session 9. Estimated and defend theses**

(Working language is Russian)

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**«Specification and interpretation of transient processes models in electrical power systems».**

**Dissertation for the degree of candidate of technical sciences, specialty 05.13.11 – "Mathematical support and software of computers, systems and computer networks"**

In the dissertation mathematics and software is developed and studied for specification, interpretation and analysis of dynamical processes models in the electrical power systems (EPS). Used in the workbench hybrid approach to modeling favorably distinguishes ISMA EPS from known advanced russian (RastrWin, ANARES) and international (EUROSTAG, DIgSILENT PowerFactory, PSS®E) systems for computer studies of EPS. Subject-oriented input language LISMA\_EPS, original interpretation mechanism providing for construction of valid hybrid models, and a library of original analysis algorithms, increase the availability of new research methods for subject of the user.