

<b>Name-Surname</b>	<b>Alkiviadis-Ioannis Triantafyllopoulos</b>
<b>Thesis Title</b>	<i>Generalized Field Equations on the Manifold and on its Tangent Bundle. Their applications in Cosmology</i>
<b>Supervisor</b>	P. Stavrinos, Assistant Professor, Department of Mathematics, National and Kapodistrian University of Athens
<b>Summary</b>	Presentation of elementary concepts in differential geometry, general theory of relativity and cosmology. Production of generalized field equation in four dimensional spacetime by means of generalized actions and connections in it. Production of generalized field equations in the eight dimensional tangent bundle of spacetime by means of a Hilbert-like action. Applications of generalized field equations in FLRW cosmology.
<b>Key words</b>	Gravity, cosmology, connection, action bundle
<b>Evaluation committee</b>	P. Stavrinos, Assistant Professor, Department of Mathematics, National and Kapodistrian University of Athens Th. Apostolatos, Assistant Professor Th. Christodoulakis, Assistant Professor