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<b>Thesis Title</b>	<i>Optimization methodology of identifying hot spots in urban areas using satellite and terrestrial measurements</i>
<b>Supervisor</b>	C. Cartalis, Associate Professor
<b>Summary</b>	The main target of this study is the specification of Land Surface Temperatures (LST) in Athens from 1992 until 2015, to locate Hot Spots. The study is based on satellite measurements from LANDSAT 5, LANDSAT 7, MODIS (TERRA) and terrestrial measurements. On MODIS data we use the technique of downscaling to create more accurate pictures which have the capacity to verify our results, and also give us the opportunity to find out information about days that we don't have LANDSAT data. The study regards on summer data.
<b>Key words</b>	Hot spots, LST, LANDSAT, MODIS, Downscaling
<b>Evaluation committee</b>	C. Cartalis, Associate Professor M. Santamouris, Professor D. Asimakopoulos, Professor