LIST OF CHANGES

* The title has been changed.
* The abstract has been updated.
* The length of the paper has doubled, in particular by detailing the coupling of external electric fields in the human body and by developing a software simulation of the E-field emitted by the Overhead Power Lines (OPL).
* The list of references has tripled and updated.
* The headings of the chapters were partially changed, being introduced two new chapters, Chapter 2 and especially Chapter 7.
* Two new tables, respectively Table 1 and Table 5, have been introduced.
* 5 new figures, respectively figures 2, 5.a, 5.b, 6 and 7, were introduced.
* Consequently, the numbering of the figures, tables, chapters, pages and citations has been updated.