

# PREFACE

This book on thermoluminescence (TL) is born from the idea to provide to experts, teachers, students and technicians practical support for research, study, routine work and terminology.

The term “handbook” of the title does not mean that this book is a “summa” of thermoluminescence. Actually, the goal is to be dynamic, fluid and of easy consultation on several subjects.

This book collects a certain number of subjects, mainly referring to the thermoluminescence models, to the methods for determining the kinetic parameters, to the procedures to follow for characterizing a thermoluminescent dosimetric system and to the definition of terms commonly used in TL literature. Furthermore, the analytical treatments of the various TL models are fully developed.

Subjects concerning solid state physics as well as TL dating are not considered because they are widely treated in many fundamental books which can be easily found on the market.

In general, the subjects considered here are dispersed in specialized journals which are not always available to everybody.

The arguments are given in alphabetic order to make the research easy. The words in bold indicate the item to which the reader is referred to for more information.