

Preface

“Most of what makes a book ‘good’ is that we are reading it at the right moment for us” is a quote from the Swiss-British philosopher Alain De Botton. The quote is right on top for a book where timing is the central given. Read this book about timing if at this moment your design is in need of an accurate yet efficient timing reference!

The book you are holding is the result of several years of Ph.D. research that started with the ambition to set important steps toward the implementation of batteryless wireless sensor nodes. Relatively soon it became clear that accurate timing is one of the key points in realizing this. Therefore the focus shifted to the construction of a low power, supply, and/or temperature independent timing reference. This topic in its turn surpasses the world of wireless sensor networks as it is much wider applicable.

We are convinced that the results we present here can help you in several ways. You can have a look at the circuits and concepts and adapt them for your system. More importantly the book can act as a source of inspiration for all those that are involved in sensor network design and the hardware for the Internet of Things. We dare to hope that the book brings you as much research inspiration as it brought us research joy while creating it.

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Temperature- and Supply Voltage-Independent Time
References for Wireless Sensor Networks

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