

# A boosting approach for prostate cancer detection using multi-parametric MRI

Guillaume Lemaître<sup>a,c</sup> and Joan Massich<sup>a</sup> and Robert Martí<sup>c</sup> and Jordi Freixenet<sup>c</sup> and Joan C. Vilanova<sup>d</sup> and Paul M. Walker<sup>b</sup> and Désiré D. Sidibé<sup>a</sup> and Fabrice Mériaudeau<sup>a</sup>

<sup>a</sup>LE2I-UMR CNRS 6306, Université de Bourgogne, 12 rue de la Fonderie, 71200 Le Creusot, France;

<sup>b</sup>LE2I-UMR CNRS 6306, Université de Bourgogne, Avenue Alain Savary, 21000 Dijon, France;

<sup>c</sup>ViCOROB, Universitat de Girona, Campus Montilivi, Edifici P4, 17071 Girona, Spain;

<sup>d</sup>Department of Magnetic Resonance, Clinica Girona, Lorenzana 36, 17002 Girona, Spain

## ABSTRACT

This document shows the desired format and appearance of a manuscript prepared for the Proceedings of the SPIE. It contains general formatting instructions and hints about how to use LaTeX. The LaTeX source file that produced this document, `article.tex` (Version 3.3), provides a template, used in conjunction with `spie.cls` (Version 3.3).

**Keywords:** Breast Ultra-Sound, Machine-Learning based Segmentation

## 1. INTRODUCTION

sec:introduction)

## 2. MATERIAL AND METHODS

## 3. RESULTS

## 4. DISCUSSION

## 5. CONCLUSION

## ACKNOWLEDGMENTS

This unnumbered section is used to identify those who have aided the authors in understanding or accomplishing the work presented and to acknowledge sources of funding.

---

Further author information: (Send correspondence to G.L.)  
G.L.: E-mail: guillaume.lemaitre@udg.edu