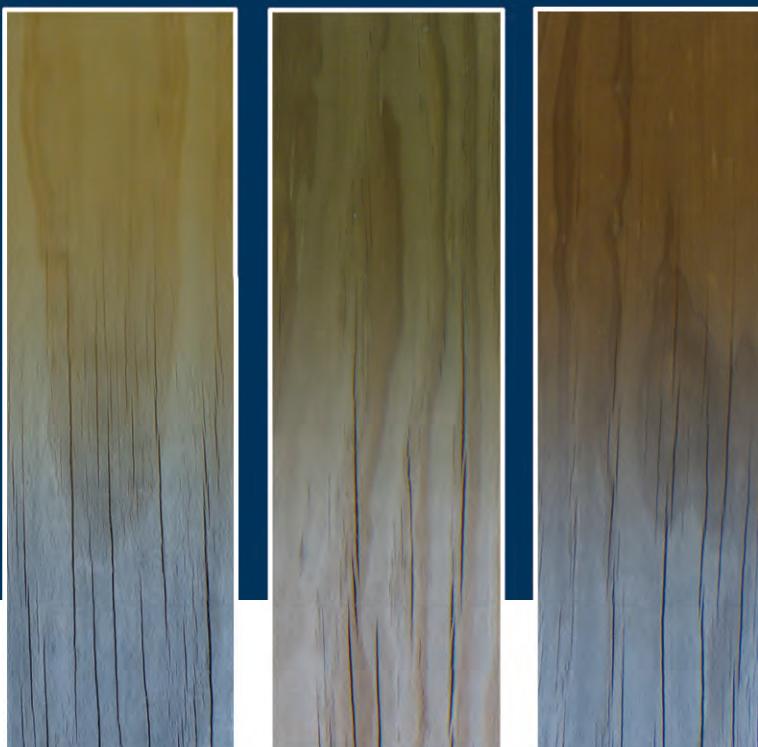


# **DEVELOPMENT AND CHARACTERIZATION OF EXTERIOR RADIATA-PINE CLADDING FOR MORE SUSTAINABLE AND ENERGY EFFICIENT FAÇADES IN THE BASQUE COUNTRY**

**Ph.D. THESIS**

**presented to obtain the degree of  
Doctor Philosophy in Industrial Engineering**

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*April 2017, Bilbao*

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*Development and characterization of exterior Radiata-pine cladding for more sustainable and energy efficient façades in the Basque Country*

Doctoral Thesis March 2017

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## Acknowledgements

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I would like to express the deepest appreciation to my thesis directors, Jesús and Jesús M<sup>a</sup>, for their help and availability, and to the Department of Mechanical Engineering, School of Engineering, UPV/EHU for their confidence.

I gratefully acknowledge the funding provided by the Basque Regional Government through IT781-13, UPV/EHU under program UFI 11/29, and ITeCons (Institute for Research and Technological Development in Construction, Energy, Environment and Sustainability), University of Coimbra (UC).

In addition, I also thank for the grant received from the Department of Economy and Competitiveness of the Basque Regional Government (EJ-GV) to the project: "*Fomento uso madera pino radiata en fachadas edificios*", and the Erasmus+ Doctorate grant (UPV/EHU).

Above all, I would like to thank my husband for his personal support and patience. My parents, brother and sister have given me their unequivocal support throughout, as always, for which my mere expression of thanks likewise does not suffice. To friends and others who in one way or another shared their morally support, thank you.

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*"We may use wood with intelligence  
only if we understood wood"*

Frank Lloyd Wright

1867-1959

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# CHAPTER 0

## Introduction

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