

\*Acknowledgments to section Acknowledgements First, I would like to thank my supervisors, Nikola Paunković and Paulo Mateus. Their scientific, pedagogical and personal qualities are uncountable and I really feel lucky that they were the ones to guide me and support me all this time. I am also grateful to Prof. Vítor Vieira, who was always available and caring.

centerfootnotesize I acknowledge Fundação para a Ciência e a Tecnologia (FCT, Portugal) for its support through the PhD grant PD/BD/52652/2014 in the context of the Doctoral Program in the Physics and Mathematics of Information (DP-PMI).