Acknowledgements

We acknowledge all the collaborators over the last twenty years with whom we have worked and discussed. Among them, A. Parola holds a place of honor, even though he is proud of not using random numbers in all his codes. His constant presence over the years was fundamental for our research in frustrated magnetic systems and correlated superconductors. He also carefully read a few chapters of this book, correcting many inaccuracies and vagueness. L. Capriotti, who took part in the early and "heroic" days of variational Monte Carlo approaches and left physics for a successful career in finance. Then, many students and postdocs in S.I.S.S.A. took part of our adventure in Monte Carlo methods. We would particularly like to thank our long-lasting collaborators C. Attaccalite, G. Carleo, M. Casula, R. Hlubina, Y. Iqbal, G. Mazzola, L.F. Tocchio, S. Yunoki, and A. Zen. Heartfelt thanks for the data shown in the figures of Chapters 4 and 7 go to G. Carleo and G. Mazzola. We are indebted to L.F. Tocchio, C. Genovese, and C. de Franco for having carefully read the manuscript and for their precise and accurate (sometimes too precise and accurate!) corrections to improve all our errors and obscurities. Finally, we wish to thank S. Capelin, our editor from Cambridge University Press, who proposed and persuaded us in writing this book. Moreover, we thank R. Munnelly and people at Cambridge University Press for working with us throughout this project.