Permanent magnetic atom chips

Barb, I.

Citation for published version (APA):

General rights
It is not permitted to download or to forward/distribute the text or part of it without the consent of the author(s) and/or copyright holder(s), other than for strictly personal, individual use, unless the work is under an open content license (like Creative Commons).

Disclaimer/Complaints regulations
If you believe that digital publication of certain material infringes any of your rights or (privacy) interests, please let the Library know, stating your reasons. In case of a legitimate complaint, the Library will make the material inaccessible and/or remove it from the website. Please Ask the Library: https://uba.uva.nl/en/contact, or a letter to: Library of the University of Amsterdam, Secretariat, Singel 425, 1012 WP Amsterdam, The Netherlands. You will be contacted as soon as possible.
Acknowledgements

Finishing this work was not the easiest thing I have encountered, and without the encouragement, help and advice of my promotors would not have happened. And not only for this but also for the freedom and the opportunities they gave me to be here today. Without them this thesis would not exist. Therefore, all my gratitude to Robert Spreeuw and Ben van Linden van den Heuvell.

It was one of the greatest experience I had to work in the Cold Atoms group, in Van der Waals-Zeeman Instituute, University of Amsterdam. Especially due to the 'asbestos' issue. This made my start not so easy, as for almost a year we had an empty lab. But this gave me the opportunity to develop not only scientifically but as well mechanically.

I have to thank to all my colleagues, I have very much enjoyed working with you. Especially to Rene Herritsma with whom I spent days in the lab aligning lasers and optics, and build up a functional lab. I also thank Thomas Fernholtz. Thomas, it was a great privilege to work with you. I gratefully acknowledge your scientific feedback as well as the generous time you spent for me. As well I would like to thank Vlad Ivanov for his always positive thinking. I still remember the famous words "don’t worry", Iuliana. Many thanks as well to Yu-Tao Xing, who made possible the creation of our first chip. And Jan-Joris van Es for his calm and the nice company traveling back home. Thanks to all of you, Ronald Cornelussen, Aaldert van Amerongen, Klaasjan van Druten, Carolijn van Ditzhuijzen, Tobias Tiecke, Steve Gensemer, Antje Ludewig, Tom Hijmans and Mikhail Baranov. I should also mention here the mechanical workshop. Without their help the lab would not exist. Thank you very much for being always there for us and very helpful. Many thanks as well to Mariet Bos and Rita Vinig. They have been of great help with fighting the bureaucracy, especially with the chapter 'aliens police'.

Thanks to FOM, I also had very interesting courses besides the scientific work. And I could meet interesting people with whom I could share scientific and non scientific experiences. They have been of great help!

Then, thanks to all my friends. Faezeh, I was lucky to meet you at the beginning of my arrival in The Netherlands. Thank you for being such a kind
and wise friend. Your always happy attitude gave me warmth although being far from home. Valentin, thank you for the unconditional friendship and for the nice and inspiring discussions.

There have been many people who have given me help directly or indirectly. If I have forgotten them here, it does not mean that I do not appreciate them, it is fault of my memory.

Finally, people whom I give this book with heart are my family, especially my parents and my sister. Without them my Ph.D. would not exist. Multumesc foarte mult pentru rabdarea si suportul acordat in timpul studentiei, fara de care nu as fi putut ajunge aici.

Marc, you are the best! Without your help and support I would not have ended this. Thank you very much!