

University of Groningen

Multiple states of working memory

Sasin, Edyta

IMPORTANT NOTE: You are advised to consult the publisher's version (publisher's PDF) if you wish to cite from it. Please check the document version below.

Document Version

Publisher's PDF, also known as Version of record

Publication date:

2017

[Link to publication in University of Groningen/UMCG research database](#)

Citation for published version (APA):

Sasin, E. (2017). Multiple states of working memory: Reciprocity between internal maintenance and visual attention [Groningen]: University of Groningen

Copyright

Other than for strictly personal use, 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), unless the work is under an open content license (like Creative Commons).

Take-down policy

If you believe that this document breaches copyright please contact us providing details, and we will remove access to the work immediately and investigate your claim.

Downloaded from the University of Groningen/UMCG research database (Pure): <http://www.rug.nl/research/portal>. For technical reasons the number of authors shown on this cover page is limited to 10 maximum.

Multiple states of working memory
Reciprocity between internal maintenance
and visual attention

Paranymphs: Tadeusz Kononowicz and Rob Nijkamp

Cover design : Edyta Sasin
Layout design : Briyan (briyan.2209@gmail.com)
Printed by : Off Page (offpage.nl)
© 2017, Edyta Sasin, Groningen, The Netherlands
ISBN (book) : 978-94-034-0315-1
ISBN (ebook) : 978-94-034-0314-4





university of
 groningen

Multiple states of working memory

Reciprocity between internal maintenance and visual attention

PhD thesis

to obtain the degree of PhD at the
University of Groningen
on the authority of the
Rector Magnificus Prof. E. Sterken
and in accordance with
the decision by the College of Deans.

This thesis will be defended in public on

Thursday 21 December 2017 at 9.00 hours

by

Edyta Sasin

born on 27 July 1983

in Warsaw, Poland

Supervisor

Prof. M.M. Lorist

Co-supervisor

Dr. M.R. Nieuwenstein

Assessment committee

Prof. K. Oberauer

Prof. C.N.L. Olivers

Prof. R. de Jong

CONTENTS

CHAPTER 1 General Introduction	1
CHAPTER 2 The role of depth of encoding in attentional capture	17
CHAPTER 3 Memory-driven attentional capture reveals the waxing and waning of working memory activation due to dual-task interference	31
CHAPTER 4 Forget me if you can: attentional capture by to-be-remembered and to-be-forgotten visual stimuli	45
CHAPTER 5 Feature-selective encoding versus object-based retention in visual working memory	61
CHAPTER 6 General Discussion	77
NEDERLANDSE SAMENVATTING	87
REFERENCES	93
PUBLICATION LIST	105
ACKNOWLEDGEMENTS	109

