Factors affecting speech reception
in fluctuating noise and reverberation
The research described in this thesis was carried out within the EMGO Research Institute, at the ENT/Audiology Department of the VU University Medical Center in Amsterdam, The Netherlands.

This project was supported by the Heinsius-Houbolt Foundation, The Netherlands.

Cover:
In Search of Meaning #1
An Art and Science Collaboration
Artist - Lylie Fisher
http://www.lyliefisher.com

The cover displays a work of art inspired by bubble chamber experiments, which are used in particle physics to determine the trajectory of electrically charged particles. The shown patterns may be regarded as a visual metaphor for the complex mixture of sounds (speech, background noise and reverberation) that a hearing-impaired listener experiences in daily life.


Financial support for publication of this thesis was kindly provided by:
Stichting Atze Spoor Fonds, Beltone Nederland BV, Beter Horen BV, Oticon Nederland BV, HINK Groep BV, ReSound BV, Siemens Audiologie Techniek BV, Veenhuis Medical Audio BV

Printed by Gildeprint Drukkerijen BV, Enschede

Copyright © 2007 by Erwin L.J. George. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the author.
VRIJE UNIVERSITEIT

FACTORS AFFECTING SPEECH RECEPTION
IN FLUCTUATING NOISE AND REVERBERATION

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad Doctor aan
de Vrije Universiteit Amsterdam,
op gezag van de rector magnificus
prof.dr. L.M. Bouter,
in het openbaar te verdedigen
ten overstaan van de promotiecommissie
van de faculteit der Geneeskunde
op vrijdag 16 november 2007 om 10.45 uur
in de aula van de universiteit,
De Boelelaan 1105

door

Erwin Laura Johannes George

geboren te Heerlen
promotoren: prof.dr.ir. J.M. Festen
           prof.dr.ir. T. Houtgast