



## UvA-DARE (Digital Academic Repository)

### Magnetotransport studies of the single and bilayer two dimensional electron gas in the quantum Hall regime

Galistu, G.M.

**Publication date**  
2010

[Link to publication](#)

**Citation for published version (APA):**

Galistu, G. M. (2010). *Magnetotransport studies of the single and bilayer two dimensional electron gas in the quantum Hall regime*.

**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.

# **Magnetotransport studies of the single and bilayer two dimensional electron gas in the quantum Hall regime**

ACADEMISCH PROEFSCHRIFT

ter verkrijging van de graad van doctor  
aan de Universiteit van Amsterdam  
op gezag van de Rector Magnificus  
prof. dr. D.C. van den Boom  
ten overstaan van een door het college voor promoties  
ingestelde commissie, in het openbaar te verdedigen  
in de Agnietenkapel  
op vrijdag 11 juni 2010, te 10:00 uur

door

**Giovanni Maria Galistu**  
geboren te Oldenzaal, Nederland

## **Promotiecommissie**

Promotor: Prof. dr. ir. A.M.M. Pruisken

Co-promotor: Dr. A. de Visser

Overige leden: Prof. dr. M.S. Golden  
Prof. dr. K. Schoutens  
Prof. dr. T. Gregorkiewicz  
Prof. dr. P.M. Koenraad  
Dr. I.S. Burmistrov

Faculteit der Natuurwetenschappen, Wiskunde en Informatica

The work described in this thesis was carried out at the Van der Waals-Zeeman Institute of the University of Amsterdam, Valckenierstraat 65, 1018 XE Amsterdam, The Netherlands.

The work is part of the research program of the Foundation for Fundamental Research on Matter [Stichting voor Fundamenteel Onderzoek der Materie (FOM)] and was made possible by financial support from the Netherlands Organization for Scientific Research [Nederlandse Organisatie voor Wetenschappelijk Onderzoek (NWO)].

*“Nothing is too wonderful to be true if it be consistent with the laws of nature.”*

(Michael Faraday)

*“ En merk: Wij blijven toch eeuwig leken. Dat doet mij schier het harte breken.”*

(Goethe's Faust)

*To my parents*