

Douglas A. Parry

Junior Lecturer, PhD Candidate
Information Science, Stellenbosch University

I am an early career researcher interested in the meeting point between people and technology. I currently hold a faculty position teaching and supervising within the undergraduate and postgraduate Socio Informatics programs as part of the Information Science Department at Stellenbosch University. My research interests include: media effects; human computer interaction, computational social science, and cyberpsychology.

1. Personal Details

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2. Education

2018 - **PhD** (Socio Informatics), Stellenbosch University (Examination end 2019)
Thesis: *Media Multitasking and Cognitive Control: Assessing the Feasibility of an Intervention Requiring the Self-regulation of Smartphone Use*
Supervisors: Dr D. B. le Roux; Dr J. R. Bantjes
2017 **MA** (Socio Informatics), Stellenbosch University (Cum Laude)
Thesis: *The digitally-mediated study experiences of undergraduate students in South Africa*
Supervisor: Dr. D. B. le Roux
2015 **BAHons** (Socio Informatics), Stellenbosch University (Cum Laude)
Thesis: *An investigation of alternative information displays for load-shedding schedules*
Supervisor: Mrs C. Pretorius
2014 **BA** (Socio Informatics), Stellenbosch University
2010 National Senior Certificate, Diocesan College (Bishops)

3. Academic Positions

2017 - Junior Lecturer (Full time, untenured), Stellenbosch University, Department of Information Science
Responsible for the management and teaching of undergraduate and postgraduate courses, the supervision of honours- and masters-level research projects, the conduct of self-motivated research projects, and the publication of research findings.
2016 Junior Lecturer (Part time), Stellenbosch University, Department of Information Science
Responsible for the management and teaching of undergraduate courses, the conduct of self-motivated research projects, and the publication of research findings.
2014 - Teaching Assistant (Part time), Stellenbosch University, Department of Information Science
2015

4. Selected Scholarships, Awards & Grants

- 2018 Best Paper Award: *Off-task Media Use in Lectures: Towards a Theory of Determinants* (SACLA'18)
- 2018 Harry Crossley Foundation Doctoral Bursary for Local Study (R120 000)
- 2017 Stellenbosch Division for Research Development Travel Grant (R15 000)
- 2017 Mellon Early Career Research Development Grant (R25 000)
- 2016 Stellenbosch Post-Graduate Merit Bursary (R17 500 + R10 000)
- 2015 NRF Scarce Skills Bursary (R40 000)
- 2015 Stellenbosch Post-Graduate Merit Bursary (R17 500)
- 2014 Stellenbosch Senior Merit Award Bursary (R7 500)

5. Peer Reviewed Academic Publications

- 2019 Parry, D.A., (2019) Book Review: Permanently Online, Permanently Connected: Living and Communicating in a POPC World. *Information, Communication, and Society* doi><https://doi.org/10.1080/1369118X.2019.1590441> .
- 2019 Parry, D.A., le Roux, D. B., (2019). *Media Multitasking and Cognitive Control: A Systematic Review of Interventions*. *Computers in Human Behavior*, 92, 316-327. doi> <https://doi.org/10.1016/j.chb.2018.11.031>
- 2019 Parry D.A. le Roux D.B., (2019) Off-task Media Use in Lectures: Towards a Theory of Determinants. In: Kabanda S., Suleman H., Gruner S. (eds) *ICT Education. SACLA 2018. Communications in Computer and Information Science*, vol 963. Springer, Cham doi>https://doi.org/10.1007/978-3-030-05813-5_4
- 2018 Parry, D.A., le Roux, D.B., (2018). *In-lecture Media Use and Academic Performance: Investigating Demographic and Intentional Moderators*. *South African Computer Journal* 30(1), 85-107. doi> <https://doi.org/10.18489/sacj.v30i1.434>
- 2017 Le Roux, D. B., Parry, D. A., (2017) *In-lecture Media Use and Academic Performance: Does Subject Area matter?* *Computers in Human Behavior*, 77, 86-94. doi><https://doi.org/10.1016/j.chb.2017.08.030>
- 2017 le Roux D.B., Parry D.A. (2017) A New Generation of Students: Digital Media in Academic Contexts. In: Liebenberg J., Gruner S. (eds) *ICT Education. SACLA 2017. Communications in Computer and Information Science*, vol 730. Springer, Cham doi>[10.1007/978-3-319-69670-6_2](https://doi.org/10.1007/978-3-319-69670-6_2)
- 2016 Pretorius A, Parry DA., (2016). Human Decision Making and Artificial Intelligence - A Comparison in the Domain of Sports Prediction. In: *Coetzee M, Ehlers E, Coulter D, Marnewick C, Leung WS (eds.) Proceedings of the 2016 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2016)*, Johannesburg, South Africa, ACM. doi>[10.1145/2987491.2987493](https://doi.org/10.1145/2987491.2987493)
- 2016 Leysens JL, le Roux D.B., Parry, D.A., (2016). Can I have your attention please? An empirical investigation of media multitasking during university lectures In: *Coetzee M, Ehlers E, Coulter D, Marnewick C, Leung WS (eds.) Proceedings of the 2016 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2016)*, Johannesburg, South Africa, ACM. doi>[10.1145/2987491.2987498](https://doi.org/10.1145/2987491.2987498)
- 2015 Parry DA, Pretorius C., (2015). Maps as a technique for visualizing load-shedding schedules. In: Barnett, R. J., Cleophas, L., Kourie, D. G., le Roux, D. B., Watson, B. W. (eds.) *Proceedings of the 2015 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2015)*, Stellenbosch, South Africa, ACM. doi>[10.1145/2815782.2815784](https://doi.org/10.1145/2815782.2815784)

6. Publications Currently Under Review, Revision, or In Press

Parry, D.A., *Computing Research in South Africa: A Scientometric Investigation*. **Accepted** for publication in the South African Computer Journal pending minor revisions (11/03/2019).

le Roux, D.B., Parry, D.A. *Off-task Media Use in Academic Settings: The Inescapable Cycle of Self-regulation Failure*. **Accepted** for publication in the Journal of American College Health pending minor revisions (11/03/2019).

Parry, D.A., le Roux, D. B., & Cornelissen, L.A. *Managing In-Lecture Media Use: The Feasibility and Value of a Split-Class Policy*. (Revisions submitted 01/2019).

Le Roux, D. B., Parry, D.A., *Investigating differences in the attention distribution strategies of high and low media multitaskers through a two-dimensional game* (Revisions submitted 02/2019).

7. Academic Conference Presentations

2018 Parry, D.A. le Roux, D. B., & Cornelissen, L.A. (2018). Lecturer versus Smartphone: Towards a Policy for Teaching Distracted Minds. In *11th Annual Scholarship for Teaching and Learning conference (SOTL)*. 29-31 October 2018. Somerset West, South Africa.

2017 Parry, DA., le Roux, D. B. (2017). Irresistible Media: Why Do Students Media Multitask? In *15th International CyberSpace Conference*. Brno, Czech Republic.

2017 le Roux, D.B., Parry, DA., (2017). Metaphors of Social Media In *15th International CyberSpace Conference*. Brno, Czech Republic.

2017 Parry, DA., le Roux DB, (2017) Smartphones in Lectures, is resistance futile?. In *10th Annual Scholarship for Teaching and Learning conference (SOTL)*. 24-25 October 2017. Somerset West, South Africa.

2016 Le Roux, D. B., Parry, D., & Leysens, J. (2016). Smart Phones, Stupid People? In *14th International CyberSpace Conference*. Brno, Czech Republic.

2016 Parry, DA., le Roux DB, Leysens JL. (2016) Media Multitasking in Academic Contexts: An Empirical Analysis of Media Use Within University lectures. In *9th Annual Scholarship for Teaching and Learning conference (SOTL)*. 24-25 October 2016. Somerset West, South Africa.

8. Public Lectures, Invited Talks, Seminars & Colloquia

2018 Parry, D.A. le Roux, D. B., (2018) *Permanently Online, Permanently Connected Media Multitasking and Distractibility – Is it So Bad and What Can We Do About It?* , Milton Erikson Annual Conference 2018. Somerset West, South Africa [invited address].

2017 le Roux, D.B., Parry, D.A., (2017) *Media Multitasking and Distractibility: Where we are, how we got here and where we're going*. Seminar Presented at the Chair for Business Informatics, Social Media and Data Science, University of Potsdam, Germany.

2017 le Roux, D.B., Parry, D.A., (2017) *The Relationship Between Media Multitasking and Cognition – What Do We Know?* Seminar Presented at the Whitaker Institute for Innovation and Societal Change, NUI Galway, Ireland.

2017 D. B. le Roux & D. A Parry (2017) *The State of Research Concerning the Relationship between Media Multitasking and Cognition*. Colloquium Presented at the Information Science Departmental Colloquia, 2017 Series, Stellenbosch University, South Africa

2016 Parry, D.A. Pretorius, A. (2016) *Human Decision Making and Artificial Intelligence - Predicting Sports Results*. Colloquium Presented at the Information Science Departmental Colloquia, 2016 Series, Stellenbosch University, South Africa

9. Postgraduate Research Supervision

9.1. Masters Supervision

S Mbilini *ICT and Automation Displacement*. MA in Socio Informatics, SU (50% co-supervision with Dr. D. B. le Roux) [Examination May 2019]

9.2. Honours Supervision

S Fraser, K Veness, *A framework of media use dimensions*. BCom (Hons) in ISM, SU, 2019 (50% co-supervision with Dr. D. B. le Roux)
C Dow

D Mauff, R Rabe, N *Analysing the skills gap in South Africa*. BCom (Hons) in ISM, SU, 2019 (50% co-supervision with Dr. D. B. le Roux)
Carlisle

A Pretorius, M de *Media Multitasking Combinations*. BCom (Hons) in ISM, SU, 2018 (50% co-supervision with Dr. D. B. le Roux)
Waal

M Daly, A *Online Social behaviour vs. offline behaviour: A comparison*. BCom (Hons) in ISM,
Broughton, N Marx, SU, 2018 (50% co-supervision with Dr. D. B. le Roux)
M Niewoudt

S Warmerdam *Media Multitasking and Its Influence on Students' Recall During a Lecture*. BCom
(Hons) Cum Laude in ISM, SU, 2017 (100% supervision)

Y Senior *How does Media Multitasking in class affect Academic Performance? A Systematic
Review*. BCom (Hons) Cum Laude in ISM, SU, 2017 (100% supervision)

M Muller *Out of Our Depth? The Impact of Media Multitasking on Cognitive Ability: A Review*.
BCom (Hons) in ISM, SU, 2017 (100% supervision)

W du Plessis *Creating a New Short and Universal Measurement Tool for Media Multitasking*.
BCom (Hons) in ISM, SU, 2017 (100% supervision)

10. Teaching

2017 - BComHons Information Systems Management: Research Theory; Project Management;
Enterprise Computing; Data Analysis

2017 - Socio Informatics 314: Database Systems Design: Database concepts, models, design and
management

2016 - Socio Informatics 224: Introduction to Computer Programming: Principles of computer
programming. Skills development in object-oriented programming languages.

2016. Socio Informatics 262: Decision-making and Organisation: Social theory of organisation,
specifically the systemic role of structure and decision making.

11. Service in the Academic Community

2019 Ad-hoc reviewer: Computers in Human Behaviour.

2019- Ad-hoc reviewer: European Conference on Information Systems (ECIS).

2017- Ad-hoc reviewer: South African Computer Journal (SACJ).

12. Professional Memberships

2015 - South African Institute for Computer Scientists and Information technologists (SAICSIT)

2016 - South African Computer Lecturers Association (SACLA)

13. Departmental Administration & Service

- 2018 Co-co-ordinated an industry-research talk series (*Department of Information Science: Tech and Society Lunch Hour Talks 2018*) attracting 230+ attendees over four days.
- 2018 BCom Honours (ISM) Module Coordinator: *Advanced Information Systems Theory and Practice*
- 2017- Marketing Presentations for Department of Information Science: Paul Roos Gymnasium, First year Orientation, SU Open Day.
- 2017- BCom Honours (ISM) Admissions Committee Member
- 2016 Information Science Departmental Evaluation Committee Member

14. Continued Research, Teaching and Skills Development

- 2018 *Applying Kanban (Foundation-KMP I) Training (Professional Certification)*. Presented by Mike Freislich (Agile42), (22-23 August). A two day training workshop in the principles and application of Kanban (**certified LKU**).
- 2018 *Workshop on Teaching Portfolios*. Presented by Dr. Karin Cattell-Holden and Neill Kramm (14 March), Stellenbosch
- 2017 *Data Carpentry Workshop*, Presented by Angelique van Rensburg, Amy Hodge, Ian van der Linde & Juan Steyn (6 - 8 November), JS Gerrieke Library
- 2017 *Outsystems Developer Bootcamp*, Presented by Ouen Worth (23 - 27 October), Stellenbosch.
- 2017 *The role of statistics in research*. Presented by Prof Martin Kidd (3 August), JS Gerrieke Library
- 2016 *Making important decisions about publishing your research*. Presented by: Marié Roux, Mimi Seyffert, Dalene Pieterse, JS Gerrieke Library

15. Community Interaction

- 2017 Co-Facilitator: Frederick van Zyl Slabbert Institute: Graduate Programme: A graduate program for 150 students focusing on bridging the gap between their studies and the world of work
- 2016 Member: KU Leuven-Stellenbosch University Think Tank: Each year, a group of 30 top students from a variety of disciplines work together on a central theme, supervised by an academic coordinator and a multidisciplinary team on both sides. The central theme of the 2016 edition of this Think Tank is "Brave new world? Merging technology and society: opportunities, challenges and threats to the quality of life".
- 2015 Participant: Frederick van Zyl Slabbert leadership Institute: Graduate Leadership programme: A graduate program aimed at equipping Stellenbosch Graduates with the necessary skills to excel in the wider world.

16. Media Coverage (selected)

- 2016 Radio interview on MFM 29/09/2016:
Presenting research on students' media use patterns
- 2017 SU Press release: 16/10/2017: Smartphones keep students from concentrating during lectures
<http://www.sun.ac.za/english/Lists/news/DispForm.aspx?ID=5197>

- 2017 TimesLive: 17/10/2017: "Your Phone is switching you off, say academics"
<https://www.timeslive.co.za/news/sci-tech/2017-10-17-your-phone-is-making-you-stupid-say-academics/>
<http://www.heraldlive.co.za/news/2017/10/17/phone-making-stupid-say-academics/>
- 2017 Business Day: 17/10/2017: "Students in lectures hardly ever follow lecturer's slides when phones are nearby"
<https://www.businesslive.co.za/bd/life/gadgets-and-gear/2017-10-17-students-in-lectures-hardly-ever-follow-lecturers-slides-when-phones-are-nearby/>
- 2017 CapeTalk/702: 17/10/2017: Smartphone multitasking can hinder varsity students ability to study - research
<http://www.702.co.za/articles/276758/smartphone-multitasking-can-hinder-varsity-students-ability-to-study-research>
<http://www.capetalk.co.za/articles/276758/smartphone-multitasking-can-hinder-varsity-students-ability-to-study-research>
- 2017 Radio Interview on Smile FM: 18/10/2017:
 Half an hour discussion show focusing on recent research
- 2017 Radio Interview on Voice of the Cape: 19/10/2017:
 Morning show interview focusing on recent research
- 2017 Cape Times, Independent Online: Cellphone distraction affecting academic results - study
<https://www.iol.co.za/capetimes/news/cellphone-distraction-affecting-academic-results--study-11606641>
- 2017 The Star: Moment lecture gets boring, phones pop out
- 2017 Daily Dispatch: Students on Smartphones not so smart
- 2017 Die Burger: Slimfone mors met studente se andar
- 2017 Pretoria News: Phones Harm our ability to concentrate
- 2017 Universe Online: Smartphone zorgt voor slechte cijfers
<https://universonline.nl/2017/10/18/smartphone-zorgt-voor-slechte-cijfers>
- 2017 Daily Mail UK: Want to boost your grades? Turn off your phone, say scientists
<http://www.dailymail.co.uk/sciencetech/article-4998620/Want-boost-grades-Turn-phone.html>
- 2018 ERR: Novaator: Üliõpilased teadvustavad, et nutimeedia röövib tähelepanu, aga kasutavad seda siiski (Risto Uuk) [Estonia: Students acknowledge that smart media rob attention, but still use it]
<https://novaator.err.ee/837203/uliopilased-teadvustavad-et-nutimeedia-roovib-tahelepanu-aga-kasutavad-seda-siiski>