

DR DOUGLAS A. PARRY

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Department of Information Science, Stellenbosch University, South Africa

CURRICULUM VITAE

PERSONAL DETAILS

DOB	1992 (27, married)
Website	dougaparry.com ♦ suinformatics.com/ctrgrg
ORCID	orcid.org/0000-0002-6443-3425
Google Scholar	bit.ly/2D8pp4V (citations: 61, h-index: 5)
ResearchGate	www.researchgate.net/profile/Douglas_Parry

EDUCATION

Stellenbosch University 2019

PhD in Socio Informatics

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 (Information Science) & Dr J. R. Bantjes (Psychology)

Examiners: Dr L. Rosen, Prof C. Lochner, Dr L Nel

Stellenbosch University 2017

MA (Cum Laude) in Socio Informatics

Thesis: *The digitally-mediated study experiences of undergraduate students in South Africa*

hdl.handle.net/10019.1/102667

Supervisor: Dr D. B. le Roux (Information Science)

Stellenbosch University 2015

BAHons (Cum Laude) in Socio Informatics

Mini-thesis: *An investigation of alternative information displays for load-shedding schedules*

Supervisor: Mrs C. Pretorius (Information Science)

Stellenbosch University 2014

BA in Socio Informatics

Majors: Socio Informatics, Economics

Diocesan College 2010

National Senior Certificate

Mathematics, English, Afrikaans, Information Technology, Physical Sciences, Visual Arts

ACADEMIC POSITIONS

Information Science, Stellenbosch University	January 2017 - December 2019
<i>Contract Junior Lecturer (full time)</i>	<i>Stellenbosch, South Africa</i>

Information Science, Stellenbosch University	January 2016 - December 2016
<i>Contract Junior Lecturer (part time)</i>	<i>Stellenbosch, South Africa</i>

VISITING POSITIONS

Universität Potsdam	November 2019
<i>Chair of Business Informatics (Prof. Dr.-Ing. Norbert Gronau)</i>	<i>Potsdam, Germany</i>

OTHER EXPERIENCE

FVZS Institute for Student Leadership Development <i>Graduate Programme Facilitator (part time)</i>	January 2017 - October 2017 <i>Stellenbosch, South Africa</i>
Freelance <i>Web developer (part time)</i>	2014 - 2017 <i>South Africa</i>
Information Science, Stellenbosch University <i>Teaching Assistant (part time)</i>	February 2014 - November 2015 <i>Stellenbosch, South Africa</i>
4i Mobile <i>Intern (full time): Mobile application UX, Agile/Scrum processes</i>	July 2015 - August 2015 <i>Stellenbosch, South Africa</i>
Braxton Consulting Group <i>Intern (part time): Data management</i>	March 2015 - May 2015 <i>Stellenbosch, South Africa</i>

PUBLICATIONS (PEER REVIEWED)

1. le Roux, D.B., **Parry, D.A.**, (2019) Off-task Media Use in Academic Settings: Cycles of Self-regulation Failure. *Journal of American College Health*. doi.org/10.1080/07448481.2019.1656636
2. Broughton, A., Daly, M.D., Marx, N., Nieuwoudt, M., le Roux, D. B., **Parry, D.A.**, (2019). An exploratory investigation of online and offline social behaviour among digital natives *Proceedings of the 2019 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2019)*, Skakuza, South Africa, ACM. doi.org/10.1145/3351108.3351146
3. Mbilini, S., le Roux, D. B., **Parry, D.A.**, (2019). Does automation influence career decisions among South African students? *Proceedings of the 2019 Annual Research Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2019)*, Skakuza, South Africa, ACM. doi.org/10.1145/3351108.3351137
4. **Parry, D.A.**, le Roux, D. B., & Cornelissen, L.A., (2019). Managing In-Lecture Media Use: The Feasibility and Value of a Split-Class Policy. *Journal of Computing in Higher Education*. doi.org/10.1007/s12528-019-09232-z
5. **Parry, D.A.**, (2019). Computing Research in South Africa: A Scientometric Investigation. *South African Computer Journal* 31(3), 51-79. doi.org/10.18489/sacj.v31i1.674
6. le Roux, D.B., **Parry, D.A.**, (2019). Investigating differences in the attention distribution strategies of high and low media multitaskers through a two-dimensional game. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace* 13(3). https://doi.org/10.5817/CP2019-3-2
7. **Parry, D.A.**, (2019). Book Review: Permanently Online, Permanently Connected: Living and Communicating in a POPC World. *Information, Communication, and Society* 22(12), 1841-1844. doi.org/10.1080/1369118X.2019.1590441
8. **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.org/10.1016/j.chb.2018.11.031
9. **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*, 963. Springer, Cham. doi.org/10.1007/978-3-030-05813-5_4

10. **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.org/10.18489/sacj.v30i1.434
11. 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.org/10.1016/j.chb.2017.08.030
12. 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.org/10.1007/978-3-319-69670-6_2
13. Pretorius A, **Parry D.A.**, (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.org/10.1145/2987491.2987493
14. Leysens J.L., 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.org/10.1145/2987491.2987498
15. **Parry D.A.**, 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.org/10.1145/2815782.2815784

PUBLICATIONS IN REVIEW OR REVISION

Parry, D. A., le Roux, D. B., Bantjes, J. R. Testing the Feasibility of a Media Multitasking Self-regulation Intervention for Students: Behaviour Change, Attention, and Self-perception. Submitted for review 23/08/2019. Pre-print: doi.org/10.31234/osf.io/r8kdp

ACADEMIC CONFERENCE PRESENTATIONS (ABSTRACTS)

1. Abendroth, A.*, le Roux, D. B., **Parry, D. A.** (2019). Technology Use Addiction: Scales, Dimensions, Validity? 17th International CyberSpace Conference Brno, Czech Republic.
2. **Parry, D.A.***, le Roux, D. B., & Cornelissen, L.A. (2018). Lecturer versus Smartphone: Towards a Policy for Teaching Distracted Minds. 11th Annual Scholarship for Teaching and Learning conference (SOTL). Somerset West, South Africa.
3. **Parry, D.A.***, le Roux, D. B. (2017). Irresistible Media: Why Do Students Media Multitask? 15th International CyberSpace Conference. Brno, Czech Republic.
4. le Roux, D.B.* **Parry, D.A.**, (2017). Metaphors of Social Media. 15th International CyberSpace Conference. Brno, Czech Republic.
5. **Parry, D.A.**, le Roux D.B.* (2017) Smartphones in lectures, is resistance futile? 10th Annual Scholarship for Teaching and Learning conference (SOTL). Somerset West, South Africa.

*Presented

6. le Roux, D.B.*, **Parry, D.A.** , & Leysens, J. (2016). Smart Phones, Stupid People? 14th International CyberSpace Conference. Brno, Czech Republic.
7. **Parry, D.A.***, le Roux D.B, Leysens J.L. (2016) Media Multitasking in Academic Contexts: An Empirical Analysis of Media Use Within University lectures. 9th Annual Scholarship for Teaching and Learning conference (SOTL). Somerset West, South Africa.

PUBLIC LECTURES, INVITED TALKS, SEMINARS & COLLOQUIA

1. **Parry, D.A.*** (2019) Technology use effects: current evidence and challenges. Invited Seminar presented at the Department of Statistics and Actuarial Science, Stellenbosch University, South Africa.
2. **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? Invited talk presented at the Milton Erikson Annual Conference 2018. Somerset West, South Africa.
3. 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, Universität Potsdam, Germany.
4. 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, National University of Ireland, Galway, Ireland.
5. le Roux, D.B.*, **Parry, D.A.***, (2017) The State of Research Concerning the Relationship between Media Multitasking and Cognition. Colloquium Presented at the Information Science Departmental Colloquia, Stellenbosch University, South Africa
6. **Parry, D.A.***, Pretorius, A., (2016) Human Decision Making and Artificial Intelligence – Predicting Sports Results. Colloquium Presented at the Information Science Departmental Colloquia, Stellenbosch University, South Africa

MAJOR GRANTS

Harry Crossley Doctoral Bursary for Local Study	2018
<i>Harry Crossley Foundation</i>	R120 000
Scarce Skills Bursary	2015
<i>National Research Foundation (NRF)</i>	R40 000

MINOR GRANTS

Staff Exchange Grant	2017
<i>DAAD-International Study and Training Partnership</i>	€1246
Travel Grant	2017
<i>Stellenbosch Division for Research Development</i>	R15 000
Mellon Early Career Research Development Grant	2017
<i>Mellon Foundation</i>	R25 000
Post-Graduate Merit Bursary	2016
<i>Stellenbosch University</i>	R27 500
Post-Graduate Merit Bursary	2015
<i>Stellenbosch University</i>	R17 500
Senior Merit Bursary	2014
<i>Stellenbosch University</i>	R7 500

AWARDS AND HONOURS

Best Paper Award	2018
<i>SACLA'18: Off-task Media Use in Lectures: Towards a Theory of Determinants (with DB le Roux)</i>	
Bronze Award of Excellence: Division 3 – Skills/Writing for News Media	2018
<i>MACE congress awards: “Smartphones Keep Students from Concentrating during Lectures” (with DB le Roux & the SU Corporate Communications Division)</i>	
Think Tank Participant	2016
<i>Stellenbosch University, Katholieke Universiteit (KU) Leuven</i>	
Other honours and awards	
<i>Included in top 10 undergraduate economics students.</i>	2014
<i>Invited to Golden Key International Honours Society</i>	2013
<i>Full school colours for visual arts, half colours for leadership</i>	2010
<i>School exchange to Llandovery College, Wales</i>	2008
<i>School academic, all-rounders, and ensemble ties</i>	2007 - 2009
<i>Athletics Victor Ludorum</i>	2007

SUPERVISION

Doctoral Supervision

1. Henry, M., (2020 – present), TBC. *PhD in Socio Informatics*, SU (co-supervision)

Masters Supervision

1. Mbilini, S., (2018 – 2019), Automation and Labour Demand: South African Students' Awareness and Beliefs. *MA in Socio Informatics*, SU (co-supervision)

Honours Supervision

1. Fraser, S., Veness, K., Dow, C., (2019), A framework of media use dimensions. *BCom (Hons) in ISM*, SU (co-supervision)
2. Mauff, D., Rabe, R., Carlisle, N., (2019), Analysing the skills gap in South Africa. *BCom (Hons) in ISM*, SU, (co-supervision)
3. Pretorius, A., de Waal, M. , (2018), Media Multitasking Combinations. *BCom (Hons) in ISM*, SU, (co-supervision)
4. Daly, M., Broughton, A., Marx N., Niewoudt, M., (2018), Online Social behaviour vs. offline behaviour: A comparison. *BCom (Hons) in ISM*, SU, (co-supervision)
5. Warmerdam, S., (2017), Media Multitasking and Its Influence on Students' Recall During a Lecture. *BCom (Hons) in ISM*, SU
6. Senior, J., (2017), How does Media Multitasking in class affect Academic Performance? A Systematic Review. *BCom (Hons) in ISM*, SU
7. Muller, M., (2017), Out of Our Depth? The Impact of Media Multitasking on Cognitive Ability: A Review. *BCom (Hons) in ISM*, SU
8. du Plessis, W., (2017), Creating a New Short and Universal Measurement Tool for Media Multitasking. *BCom (Hons) in ISM*, SU

Other Supervision

1. Abendroth, A. (2019), Technology Addiction Scales. *B. Wirtschaftsinformatik and Electronic Government, Bachelor Thesis, Universität Potsdam*, (exchange, co-supervision).

TEACHING

BComHons Information Systems Management Research Theory; Project Management; Enterprise Computing; Data Analysis	2017 - present
SI/ISM [†] 314: Database Systems Design	2017 - present
SI/ISM [†] 224: Introduction to Computer Programming	2016 - present
SI/ISM [†] 262: Decision-making and Organisation	2016

SERVICE IN THE ACADEMIC COMMUNITY

Associate Editor: Track 15 “Social Media – Digital Work, Digital Life” at the European Conference on Information Systems (ECIS) - 2020.

Panel/Session Chair: South African Institute of Computer Scientists and Information Technologists Annual Conference (SAICSIT) - 2019.

Ad-hoc reviewer: Computers in Human Behaviour, European Conference on Information Systems (ECIS), South African Institute of Computer Scientists and Information Technologists Annual Conference (SAICSIT), South African Computer Journal.

PROFESSIONAL AFFILIATIONS

South African Institute for Computer Scientists and Information technologists (SAICSIT)	2015 - present
South African Computer Lecturers Association (SACLA)	2016 - present

DEPARTMENTAL ADMINISTRATION & SERVICE

Information Science Departmental Programme renewal curriculum development	2018 - present
BCom Honours (ISM) Module Coordinator: Advanced Information Systems Theory and Practice	2018
Marketing Presentations for Department of Information Science	2017 - present
BCom Honours (ISM) Admissions Committee Member	2017 - present
Information Science Departmental Evaluation Committee Member	2016

CONTINUED RESEARCH, TEACHING AND SKILLS DEVELOPMENT

<i>Summer Institute in Computational Social Science (SICSS)</i> Presented by Matthew Salganik and Chris Bail, jointly hosted by Princeton and Duke universities, funded by the Russell Sage Foundation and the Alfred P. Sloan Foundation. Partner location at the University of Cape Town. Locally organised by Vissého Adjiwanou (17 - 28 June), Cape Town. https://compsocialscience.github.io/summer-institute/2019/capetown/	2019
<i>DataCamp online mini-courses</i> (27 with certificates) Programming in R, data cleaning & manipulation, statistical foundations & analysis, data visualisation & communication, version control, relational databases & SQL, machine learning.	2018 - present
<i>Applying Kanban (Foundation-KMP I) Training</i> (Professional Certification). Presented by: M. Freislich (Agile42). Certified LKU (22-23 August), Cape Town.	2018

[†]Socio Informatics/Information Systems Management dual module

<i>Workshop on Teaching Portfolios</i>	2018
Presented by: Dr K. Cattell-Holden & Mr N Kramm (14 March), Stellenbosch.	
<i>Data Carpentry Workshop</i>	2017
Presented by: A. van Rensburg, A. Hodge, I van der Linde & J Steyn (6 - 8 November), Stellenbosch.	
<i>Outsystems Developer Bootcamp</i>	2017
Presented by: O. Worth (23 - 27 October), Stellenbosch.	
<i>The role of statistics in research</i>	2017
Presented by: Prof M. Kidd (3 August), Stellenbosch.	
<i>Making important decisions about publishing your research</i>	2016
Presented by: M. Roux, M. Seyffert, D. Pieterse, Stellenbosch.	
<i>KU Leuven-Stellenbosch University Think Tank</i>	2016
Theme: "Brave new world? Merging technology and society: opportunities, challenges and threats to the quality of life".	
https://www.kuleuven.be/english/international/thinktank	
http://bit.ly/2GqL0f0	
<i>Frederick van Zyl Slabbert Institute for Student Leadership: Graduate Programme</i>	2015
Presented by: F. Tulkki-Williams, Stellenbosch.	

MEDIA COVERAGE (SELECTED)

ERR: Novaator: [Estonia] http://bit.ly/2U0BBBB	2018
Daily Mail UK: [United Kingdom] https://dailym.ai/2VEUWma	2017
Universe Online: [The Netherlands] http://bit.ly/2If9Psk	2017
Cape Times: [South Africa] http://bit.ly/2UNNjgd	2017
Business Day: [South Africa] http://bit.ly/2D7BU0k	2017
TimesLive: [South Africa] http://bit.ly/2U0DBtP	2017
CapeTalk/Radio 702 interview: [South Africa] http://bit.ly/2Z5Tont	2017
Radio Interview: Smile FM: Evening show discussion on recent research [South Africa]	2017
Radio Interview: Voice of the Cape: Morning show interview on recent research [South Africa]	2017
SU Press release: [South Africa] http://bit.ly/2KqKX2V	2017
https://www.youtube.com/watch?v=SJAUwjiZNfg	

SKILLS (RESEARCH, TECHNICAL & SOFT)

Research	Qualitative Analysis, Quantitative Analysis, Mixed Methods Techniques, Experiment design, Systematic and meta-analytic Reviews, Focus groups, Interviews, Survey-design, Bibliometrics, Web scraping and automated data collection
Programming	R, Python, SQL, HTML, CSS, Javascript, modelling (UML, ERD)
Statistical Procedures & Analysis	Data cleaning & transformation, exploratory data analysis, confirmatory data analysis, hypothesis testing, visualisation (ggplot2), ANOVA/Regression
Tools & Software	L ^A T _E X, Markdown, git, MS Office, PsychoPy, PsyToolKit
Soft Skills	Leadership, academic supervision, mentoring, public speaking, curriculum development, teaching (undergraduate & postgraduate)
Subject Matter Knowledge	Programming, organisational theory, database design and implementation, web development, ERP systems, project management (Agile methodologies), research methodologies, data analysis & visualisation, cyberpsychology, human computer interaction, media effects, communication, knowledge economy, decision theory, social informatics

RESEARCH STATEMENT

I am an early career researcher in Socio Informatics with a strong publication record and interests in Computational Social Science, Human-Computer Interaction, and Cyberpsychology. My recent research experience has enabled me to develop skills in computational and statistical analysis and a grounding in relevant domain knowledge in cognitive psychology, social informatics, human-computer interaction, communication, and media studies. Specifically, I have extensive research experience with studies concerning attention and attention-related performance in the context of technological interactions. I have experience in experimental design, survey analysis, computational data collection and analysis, focus group and interview methodologies as well as systematic and meta-analytic reviews. My current research concerns the interplay between digital technologies, human cognition, behaviour, performance, and affective well-being across a variety of life-situations.

REFERENCES

Available on request.