

DR DOUGLAS A. PARRY

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Cognition and Technology Research Group (CTRG)

Department of Information Science, Stellenbosch University, South Africa

CURRICULUM VITAE

PERSONAL DETAILS

DOB	1992 (27 – married)
Website	dougaparry.com ◊ suinformatics.com/ctrig
ORCID	orcid.org/0000-0002-6443-3425
Google Scholar	bit.ly/2D8pp4V (citations: 68, h-index: 5)
ResearchGate	www.researchgate.net/profile/Douglas_Parry

EDUCATION

PhD in Socio Informatics (Stellenbosch University) 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 (Information Science) & Dr J. R. Bantjes (Psychology)
Examiners: Dr L. Rosen, Prof C. Lochner, Dr L Nel

MA (Cum Laude) in Socio Informatics (Stellenbosch University) 2017
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)

BAHons (Cum Laude) in Socio Informatics (Stellenbosch University) 2015
Mini-thesis: *An investigation of alternative information displays for load-shedding schedules*
Supervisor: Mrs C. Pretorius (Information Science)

BA in Socio Informatics (Stellenbosch University) 2014
Majors: Socio Informatics, Economics

National Senior Certificate (Diocesan College) 2010
Mathematics, English, Afrikaans, Information Technology, Physical Sciences, Visual Arts

ACADEMIC POSITIONS

Contract Junior Lecturer (full time) <i>Information Science, Stellenbosch University</i>	January 2017 - December 2019 <i>Stellenbosch, South Africa</i>
Contract Junior Lecturer (part time) <i>Information Science, Stellenbosch University</i>	January 2016 - December 2016 <i>Stellenbosch, South Africa</i>

VISITING POSITIONS

Chair of Business Informatics, Universität Potsdam, Germany <i>Prof. Dr.-Ing. N. Gronau; Prof. Dr. H. Krasnova</i>	November 2019
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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>

JOURNAL ARTICLES AND EDITED VOLUMES

10. **Parry, D. A.**, le Roux, D. B., Bantjes, J. R., (2020). Testing the Feasibility of a Media Multitasking Self-regulation Intervention for Students: Behaviour Change, Attention, and Self-perception. *Computers in Human Behavior*, 104. doi.org/10.1016/j.chb.2019.106182
9. 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
8. **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
7. **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
5. **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
4. **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
3. **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
2. 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
1. 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*, 730. Springer, Cham. doi.org/10.1007/978-3-319-69670-6_2

CONFERENCE PROCEEDINGS

5. 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
4. 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
3. 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
2. 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
1. **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

OTHER PUBLICATIONS

1. **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

PUBLICATIONS IN REVIEW OR REVISION (LIMITED)

le Roux, D. B., **Parry, D. A.**,. Emotional Intelligence, Rumination and Identity Distress as Moderators of the Relationship between Media Multitasking and Online Vigilance. Submitted for review 07/11/2019.

Abendroth, A., **Parry, D. A.**, le Roux, D. B., Gundlach, J. An analysis of problematic media use and technology use addiction scales – what are they actually assessing? Submitted for review 29/10/2019.

le Roux, D. B., **Parry, D. A.**, The Town Square in your Pocket: Exploring Four Metaphors of Social Media. Submitted for review 21/10/2019.

Parry, D. A., le Roux, D. B., Introducing the Media Use Behaviour Conceptual Framework. Submitted for review 14/10/2019.

ACADEMIC CONFERENCE PRESENTATIONS (ABSTRACTS)

8. Abendroth, A.*, Krasnova, H., Gundlach, J., **Parry, D. A.**, le Roux, D. B. (2019). Technology Use Addiction: Scales, Dimensions, Validity? *17th International CyberSpace Conference Brno, Czech Republic*.

7. le Roux, D. B.*, **Parry, D. A.** (2019). Towards an Integrated Framework of Technology Use Dimensions *17th International CyberSpace Conference Brno, Czech Republic.*
6. **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.*
5. **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.*
3. **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.*
2. le Roux, D.B.*, **Parry, D.A.** , & Leysens, J. (2016). Smart Phones, Stupid People? *14th International CyberSpace Conference. Brno, Czech Republic.*
1. **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

8. **Parry, D.A.*** (2019) Collecting Digital Trace Data & Quantitative Text Analysis: An introduction. Methods Workshop presented at The Weizenbaum Institute for the Networked Society – The German Internet Institute, Berlin, Germany.
7. **Parry, D.A.*** (2019) Systematic Reviews & Meta-Analyses: An introduction. Methods Workshop presented at The Weizenbaum Institute for the Networked Society – The German Internet Institute, Berlin, Germany.
6. **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.
5. **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.
4. 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.
3. 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.
2. 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
1. **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

Travel Grant	2017
<i>DAAD-International Study and Training Partnership (Germany)</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

SUPERVISION

Doctoral Supervision

1. Henry, M., (2020 – present), Enterprise Social Media within Virtual Teams: congruence, information overload, and well-being. *PhD in Socio Informatics*, SU (co-supervision)

Masters Supervision

1. Conradie, L., (2020 – present), TBC. *MPhil in Information and Knowledge Management*, SU (co-supervision)
2. Mbilini, S., (2018 – 2019), Automation and Labour Demand: South African Students' Awareness and Beliefs. *MA in Socio Informatics*, SU (co-supervision)

Honours Supervision

- 2019: Fraser, S., Veness, K., Dow, C., Mauff, D., Rabe, R., Carlisle, N. (*SU, BComHons ISM*)
- 2018: Pretorius, A., de Waal, M., Daly, M., Broughton, A., Marx N., Niewoudt, M. (*SU, BComHons ISM*)
- 2017: Warmerdam, S., Senior, J., Muller, M., du Plessis, W. (*SU, BComHons ISM*)

Other Supervision

1. Abendroth, A. (2019). *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	<i>2017 - present</i>
SI/ISM* 314: Database Systems Design	<i>2017 - present</i>
SI/ISM [†] 224: Introduction to Computer Programming	<i>2016 - present</i>
SI/ISM [†] 262: Decision-making and Organisation	<i>2016</i>

SERVICE IN THE ACADEMIC COMMUNITY

Associate Editor:

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

Conference Programme (reviewing) Committee:

- International Communication Association (ICA) Annual Conference, 2020.
- IFIP International workshop on Digital Technologies and the Knowledge Economy, 2020.
- IFIP Conference on e-Business, e-Services and e-Society (I3E), 2020.
- ACM CHI Conference on Human Factors in Computing Systems, 2020
- European Conference on Information Systems (ECIS), 2019, 2020.
- SAICSIT Annual Conference, 2019.

Ad-hoc Journal Reviewer:

- Internet Research, 2019

*Socio Informatics/Information Systems Management dual module

- Computers in Human Behaviour, 2019
- South African Computer Journal, 2018

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

Summer Institute in Computational Social Science (SICSS) 2019

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/>

DataCamp online mini-courses (27 with certificates) 2018 - present

Programming in R, data cleaning & manipulation, statistical foundations & analysis, data visualisation & communication, version control, relational databases & SQL, machine learning.

Applying Kanban (Foundation-KMP I) Training (Professional Certification). 2018

Presented by: M. Freislich (Agile42). **Certified LKU** (22-23 August), Cape Town.

Workshop on Teaching Portfolios 2018

Presented by: Dr K. Cattell-Holden & Mr N Kramm (14 March), Stellenbosch.

Data Carpentry Workshop 2017

Presented by: A. van Rensburg, A. Hodge, I van der Linde & J Steyn (6 - 8 November), Stellenbosch.

Outsystems Developer Bootcamp 2017

Presented by: O. Worth (23 - 27 October), Stellenbosch.

The role of statistics in research 2017

Presented by: Prof M. Kidd (3 August), Stellenbosch.

Making important decisions about publishing your research 2016

Presented by: M. Roux, M. Seyffert, D. Pieterse, Stellenbosch.

KU Leuven-Stellenbosch University Think Tank 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>

Frederick van Zyl Slabbert Institute for Student Leadership: Graduate Programme 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 https://www.youtube.com/watch?v=SJAUwjiZNfg	2017

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.