DR DOUGLAS A. PARRY

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Cognition and Technology Research Group (CTRG)

Information Science, Faculty Arts and Social Sciences, Stellenbosch University, South Africa

CURRICULUM VITAE

PERSONAL DETAILS

DOB 1992 (28 - married)
Website dougaparry.com \diamond suinformatics.com/ctrg
Google Scholar bit.ly/2D8pp4V (citations: 91, h-index: 6)
ResearchGate www.researchgate.net/profile/Douglas_Parry
ORCID orcid.org/0000-0002-6443-3425

EDUCATION

PhD in Socio Informatics (Stellenbosch University) Thesis: Media Multitasking and Cognitive Control: Assessing the Feasibility of an Intervention Requiring the Self-regulation of Smartphone Use hdl.handle.net/10019.1/107323 Supervisors: le Roux, D. B. (Information Science) & Bantjes, J. R. (Psychology) Examiners: Lochner, C., Nel, L., & Rosen, L.	2019
MA (Cum Laude) in Socio Informatics (Stellenbosch University) Thesis: The digitally-mediated study experiences of undergraduate students in South Africa hdl.handle.net/10019.1/102667 Supervisor: le Roux, D. B. (Information Science)	2017
BAHons (Cum Laude) in Socio Informatics (Stellenbosch University) Mini-thesis: An investigation of alternative information displays for load-shedding schedules Supervisor: Pretorius, C. (Information Science)	2015
BA in Socio Informatics (Stellenbosch University) Majors: Socio Informatics, Economics	2014
National Senior Certificate (Diocesan College) Mathematics, English, Afrikaans, Information Technology, Physical Sciences, Visual Arts	2010

ACADEMIC POSITIONS

Lecturer	January 2020 - present
Information Science, Stellenbosch University	Stellenbosch, South Africa
Contract Junior Lecturer (full time)	January 2017 - December 2019
Information Science, Stellenbosch University	Stellenbosch, South Africa
Contract Junior Lecturer (part time)	January 2016 - December 2016
Information Science, Stellenbosch University	Stellenbosch, South Africa

VISITING POSITIONS

Research Fellow (pending COVID-19 impact)

October 2020

Weizenbaum Institute for the Networked Society, Germany

Visiting Researcher

November 2019

Chair of Business Informatics, Universität Potsdam, Germany (DAAD funded)

PEER-REVIEWED JOURNAL ARTICLES

- Dienlin, T., Johannes, N., Bowman, N. D., Masur, P. K., Engesser, S., Kumpel, A. S., Lukito, J., Bier, L. M., Zhang, R., Johnson, B. K., Huskey, R., Fisher, J. T., Schneider, F. M., Breuer, J., Parry, D. A., Banks, J., TeBlunthuis, N., Vermeulen, I., Smits, T., Weber, R., Won, A. S., Ellis, D. A., Unkel, J., Wang, X., Trepte, S., Ivory, J. D., Neubaum, G., Bachl, M., Winter, S., Davidson, B. I., Kim, N., Kramer, N., Utz, S., Carpenter, C. J., Levine, T. R., Lewis, N. A., Rinke, E. M., McEwan, B., Domahidi, E., de Vreese, C., (2020). An Agenda for Open Science in Communication. Journal of Communication. doi.org/10.1093/joc/jqz052
- 8. 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
- 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
- 6. 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
- 4. 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
- 3. 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
- 2. **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
- 1. 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

CONFERENCE PROCEEDINGS (REFEREED)

10. Abendroth, A., Parry, D. A., le Roux, D. B., Gundlach, J., (forthcoming). An analysis of problematic media use and technology use addiction scales – what are they actually assessing? Responsible design, implementation and use of information and communications technology - I3E2020. Lecture Notes in Computer Science, Springer, Cham.

- 9. le Roux, D. B., **Parry, D. A.**, (forthcoming). The Town Square in your Pocket: Exploring Four Metaphors of Social Media. Responsible design, implementation and use of information and communications technology I3E2020. Lecture Notes in Computer Science, Springer, Cham.
- 8. Parry, D. A., le Roux, D. B., (forthcoming). Introducing the Media Use Behaviour Conceptual Framework. Responsible design, implementation and use of information and communications technology I3E2020. Lecture Notes in Computer Science, Springer, Cham.
- 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
- 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
- 5. 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 [Best paper award]
- 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
- 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
- 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
- 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

 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

ACADEMIC CONFERENCE PRESENTATIONS

- 9. Dienlin, T., Johannes, N., Bowman*, N. D., Masur, P. K., Engesser, S., Kumpel, A. S., Lukito, J., Bier, L. M., Zhang, R., Johnson, B. K., Huskey, R., Fisher, J. T., Schneider, F. M., Breuer, J., Parry, D. A., Banks, J., TeBlunthuis, N., Vermeulen, I., Smits, T., Weber, R., Won, A. S., Ellis, D. A., Unkel, J., Wang, X., Trepte, S., Ivory, J. D., Neubaum, G., Bachl, M., Winter, S., Davidson, B. I., Kim, N., Kramer, N., Utz, S., Carpenter, C. J., Levine, T. R., Lewis, N. A., Rinke, E. M., McEwan, B., Domahidi, E., de Vreese, C., (2020). An Agenda for Open Science in Communication. Paper to be presented at the 70th annual conference of the International Communication Association (ICA), Virtual (due to COVID-19 pandemic).
- 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

- 9. Parry, D.A.* (2020) Media effects Research: Our work and current challenges. Invited Seminar presented at the Department of Journalism, Stellenbosch University, South Africa.
- 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. https://www.uni-potsdam.de/de/social-media-krasnova/news-socialmedia-datasciences/news-socialmedia-datasciences.html#c492383
- 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.

^{*}Presented.

- 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. https://www.uni-potsdam.de/de/social-media-krasnova/news-socialmedia-datasciences/news-socialmedia-datasciences.html#c357787
- 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. http://whitakerinstitute.ie/event/seminar-relationship-media-multitasking-cognition-know/
- 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

SICSS Partner Site Financial Support Alfred P. Sloan Foundation, Russel Sage Foundation, Facebook, & SSRC Through Salganik, M. & Bail, C.	2020 \$15 000
Harry Crossley Doctoral Bursary for Local Study Harry Crossley Foundation	2018 R120 000
Scarce Skills Bursary South African National Research Foundation	2015 R40 000
MINOR GRANTS	
Travel Grant DAAD-International Study and Training Partnership (Germany)	2019 €1246
Travel Grant Stellenbosch Division for Research Development	2017 R15 000
Mellon Early Career Research Development Grant Mellon Foundation	2017 R25 000
Post-Graduate Merit Bursary Stellenbosch University	2016 R27 500
Post-Graduate Merit Bursary Stellenbosch University	2015 R17 500
Senior Merit Bursary Stellenbosch University	2014 R7 500

AWARDS AND HONOURS

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

SUPERVISION

Doctoral Supervision

1. Henry, M., (ongoing), Enterprise Social Media within Virtual Teams: congruence, information overload, and well-being. *PhD in Socio Informatics*, SU (co-supervision w/ le Roux, D. B.)

Masters Supervision

- 4. Steyn, T., (ongoing), TBC. MA in Socio Informatics, SU (co-supervision w/ le Roux, D. B.)
- 3. Conradie, L., (ongoing), TBC. MPhil in Information and Knowledge Management, SU (co-supervision w/ le Roux, D. B.)
- 2. Schoonwinkel, P., (ongoing), Analysis of Coordination on Social Media During Divergent Events. *MA in Socio Informatics*, SU (co-supervision w/ Cornelissen, L. A.)
- 1. Mbilini, S., (2019), Automation and Labour Demand: South African Students' Awareness and Beliefs. *MA in Socio Informatics*, SU (co-supervision w/ le Roux, D. B.)

Honours/4th year project Supervision

- BComHons ISM
 - 2020: Morton, J., Pons, R., Pretorius, R., Schoeman, A., Botha, L., Holloway, J., Prenter, A.
 - 2019: Fraser, S., Veness, K., Dow, C., Mauff, D., Rabe, R., Carlisle, N.
 - 2018: Pretorius, A., de Waal, M., Daly, M., Broughton, A., Marx N., Niewoudt, M.
 - 2017: Warmerdam, S., Senior, J., Muller, M., du Plessis, W.
- Other supervision
 - 2019: Abendroth, A. 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
$\rm SI/ISM^{\dagger}$ 314: Database Systems Design	2017 - present
$\mathrm{SI/ISM^\dagger}$ 224: Introduction to Computer Programming	2016 - present
SI/ISM [†] 262: Decision-making and Organisation	2016

SERVICE IN THE ACADEMIC COMMUNITY

Co-Organiser:

• Summer Institute in Computational Social Science (SICSS) 2020 Partner Site at Stellenbosch University, South Africa. Presented by Salganik, M. & Bail, C., co-organised with Barnett R. J.

Associate Editor (5):

- Pacific Asia Conference on Information Systems (PACIS):
 - 2021: Track, Sustainability and Societal Impacts of ICTs (2).
- European Conference on Information Systems (ECIS):
 - 2020: Track, Social Media Digital Work Digital Life (2).
 - 2020: Track, Theme Track (Liberty, Equality, Fraternity in a Digitizing World: Values and Ethical Perspectives) (1).

Conference Programme (reviewing) Committee (14):

- Computer Supported Cooperative Work and Social Computing Conference (CSCW), 2020 (1).
- International Communication Association (ICA) Annual Conference, 2020 (3).
- IFIP International workshop on Digital Technologies and the Knowledge Economy, 2020 (1).
- IFIP Conference on e-Business, e-Services and e-Society (I3E), 2020 (1).
- ACM CHI Conference on Human Factors in Computing Systems, 2020 (1).
- The Americas Conference on Information Systems (AMCIS), 2020 (2).
- European Conference on Information Systems (ECIS), 2019, 2020 (3).
- SAICSIT Annual Conference, 2019 (2).

Ad-hoc Journal Reviewer (12):

- Learning and Individual Differences (1)
- International Journal of Electronic Commerce (1)
- Psychological Reports (1)
- Internet Research (1)
- Behaviour & Information Technology (1)
- Computers in Human Behaviour (5)

[†]Socio Informatics/Information Systems Management dual module

• South African Computer Journal (2)

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

Formal Programmes, Courses or Workshops:

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/

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 Rensberg, 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".

http://bit.ly/2GqLOf0

Frederick van Zyl Slabbert Institute for Student Leadership: Graduate Programme

2015

Presented by: F. Tulkki-Williams, Stellenbosch.

MOOCS:

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, research design, statistical analysis & modeling.

Coursera Courses 2015 - present

- Improving Your Statistical Questions (TU Eindhoven), 2019.
- Client Needs and Software Requirements (University of Alberta), 2016.
- Software Processes and Agile Practices (University of Alberta), 2016.
- Introduction to Software Product Management (University of Alberta), 2015.
- Internet History, Technology, and Security (University of Michigan), 2015.
- Project Management: The Basics for Success (UC Irvine), 2015.

OTHER EXPERIENCE

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

IT News Africa: [South Africa] http://bit.ly/2IGmjri	2020
Radio Interview: Radio 702 [South Africa] http://bit.ly/2vqnckS	2020
Business Insider: [South Africa] http://bit.ly/2Q7IBWX	2020
TV Interview: eTV News 11/02 [South Africa]	2020
Radio Interview: Smile FM: 'The Honest Truth' 11/02 [South Africa] http://bit.ly/3bvbfKP	2020
SU Press release 11/02 [South Africa] http://bit.ly/2SxFoAB	2020
SU Press release 10/02 [South Africa] http://bit.ly/2SCPrUX	2020
ERR: Novaator: [Estonia] http://bit.ly/2U0BBBP	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: Voice of the Cape, morning show 19/10 [South Africa]	2017
Radio Interview: Smile FM: 'The Honest Truth' 18/10 [South Africa]	2017
SU Press release: [South Africa] http://bit.ly/2KqKX2V https://www.youtube.com/watch?v=SJAUwjiZNfg	2017

REFERENCES

Available on request.