

# DR DOUGLAS A. PARRY

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Cognition and Technology Research Group (CTRG)

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

## PERSONAL DETAILS

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| Personal       | Born: 1992 (30), married (one child)                        |
| Citizenship    | South Africa (native born), USA                             |
| Website        | dougaparry.com ◊ suinformatics.com/ctrig                    |
| Google Scholar | bit.ly/2D8pp4V (citations: 689, h-index: 13, i10-index: 18) |
| ResearchGate   | www.researchgate.net/profile/Douglas_Parry                  |
| ORCID          | orcid.org/0000-0002-6443-3425                               |
| OSF            | osf.io/sa5x4  |

## ACADEMIC APPOINTMENTS

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|---|-----------------------|
| <b>Senior Lecturer</b><br><i>Information Science, Faculty of Arts and Social Sciences, Stellenbosch University</i>                      | <b>2023 - present</b> |
| <b>Lecturer</b><br><i>Information Science, Faculty of Arts and Social Sciences, Stellenbosch University</i>                             | <b>2020 - 2022</b>    |
| <b>Contract Junior Lecturer (full time)</b><br><i>Information Science, Faculty of Arts and Social Sciences, Stellenbosch University</i> | <b>2017 - 2019</b>    |
| • <b>Visiting Researcher</b> , Chair of Business Informatics, Universität Potsdam, Germany (November 2019)                              |                       |
| <b>Contract Junior Lecturer (part time)</b><br><i>Information Science, Faculty of Arts and Social Sciences, Stellenbosch University</i> | <b>2016</b>           |

## EDUCATION

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| <b>PhD in Socio Informatics</b> (Stellenbosch University)<br>Supervisors: le Roux, D. B. (Information Science) & Bantjes, J. R. (Psychology)<br>Examiners: Lochner, C. (Psychiatry), Nel, L. (Informatics), & Rosen, L. (Psychology) | 2019 |
| <b>MA (Cum Laude) in Socio Informatics</b> (Stellenbosch University)<br>Supervisor: le Roux, D. B. (Information Science)   | 2017 |
| <b>BAHons (Cum Laude) in Socio Informatics</b> (Stellenbosch University)<br>Supervisor: Pretorius, C. (Information Science)  | 2015 |
| <b>BA in Socio Informatics</b> (Stellenbosch University)<br>Majors: Socio Informatics, Economics   | 2014 |
| <b>National Senior Certificate</b> (Diocesan College, w/ exchange semester at Llandovery College, Wales)<br>Mathematics, English, Afrikaans (2 <sup>nd</sup> language), Information Technology, Physical Science, Visual Arts        | 2010 |

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Compiled on: 2022/10/27

Note. \* indicates that authors were graduate student advisees. † indicates joint first authorship.

## Refereed Journal Publications

20. McCrosky, J.,<sup>†</sup> **Parry, D. A.**,<sup>†</sup> Sewall, C. J. R., Orben, A. (in press). Using Browser Data to Understand Desires to Spend Time Online. *Technology, Mind, and Behaviour*. [Preprint] [Materials]   
19. **Parry, D. A.**, le Roux, D. B., Morton, J. \*, Pons, R. \*, Pretorius, R. \*, Schoeman, A. \* (in press). Digital Wellbeing Applications: Adoption, Use and Perceived Effects. *Computers in Human Behavior* 10.1016/j.chb.2022.107542 [Preprint] [Materials]   
18. **Parry, D. A.**, Fisher, J. T., Mieczkowski, H., Sewall, C. J. R., Davidson, B. I., (2022). Social Media and Well-being: A Methodological Perspective. *Current Opinion in Psychology* 45. 10.1016/j.copsyc.2021.11.005 [Preprint]
17. Blackburn, A. M., Vestergren, S., Tran, T., Stöckli, S., Griffin, S., Ntontis, E.,... **Parry, D. A.**....Zoletic, E. (2022). COVIDiSTRESS diverse dataset on psychological and behavioral outcomes one year into the COVID-19 pandemic. *Scientific Data* 9 (331). 10.1038/s41597-022-01383-6 [Preprint] [Materials]   
16. le Roux, D. B., **Parry, D. A.** (2022). Investigating Predictors of Online Vigilance among University Students. *Information Technology & People* 35 (1), 27–45. 10.1108/ITP-04-2020-0226 [Preprint] [Materials]  
15. **Parry, D. A.**, Davidson, B. I., Sewall, C. J., Fisher, J. T., Mieczkowski, H., & Quintana, D. S., (2021). A Systematic Review and Meta-Analysis of Discrepancies Between Logged and Self-Reported Digital Media Use. *Nature Human Behaviour* 5, 1535–1547 10.1038/s41562-021-01117-5. [Preprint] [Materials]   
14. Sewall, C., **Parry, D. A.**, (2021). The role of depression in the discrepancy between estimated and actual smart-phone use: A cubic response surface analysis. *Technology, Mind, and Behaviour* 2 (2). 10.1037/tmb0000036. [Open Access] [Preprint] [Materials] 
13. le Roux, D. B., **Parry, D. A.**, (2021). An exploratory investigation of the use and effects of academic instant messaging groups among university students. *Education and Information Technologies* 27, 1055–1080. 10.1007/s10639-021-10631-y. [Materials]   
12. **Parry, D. A.**, le Roux, D.B. (2021). “Cognitive Control in Media Multitaskers” Ten Years On: A Meta-Analysis. *Cyberpsychology: Journal of Psychosocial Research on Cyberspace* 15 (2), 2–7. 10.5817/CP2021-2-7. [Open Access] 
11. 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., Treppe, 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., (2021). An Agenda for Open Science in Communication. *Journal of Communication*. 71 (1), 1–26. 10.1093/joc/jqz052. [Open Access]
10. Henry, M. S.\*, le Roux, D. B., & **Parry, D. A.**, (2021). Working in a Post Covid-19 World: Towards a Conceptual Framework for Distributed Work. *South African Journal of Business Management* 52 (1). 10.4102/sajbm.v52i1.2155. [Open Access]
9. le Roux, D. B., **Parry, D. A.**, Totolo, A., Iyawa, G., Holloway, J., Prenter, A., & Botha L. (2021). Media Multitasking, Online Vigilance and Academic Performance among Students in three Southern African Countries. *Computers & Education*, 160. 10.1016/j.compedu.2020.104056. [Preprint]
8. le Roux, D.B., **Parry, D. A.**, (2021). Off-task Media Use in Academic Settings: Cycles of Self-regulation Failure. *Journal of American College Health*, 69 (2), 134 – 141. 10.1080/07448481.2019.1656636
7. **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. 10.1016/j.chb.2019.106182. [Preprint] 


6. **Parry, D. A.**, le Roux, D. B., & Cornelissen, L.A., (2020). Managing In-Lecture Media Use: The Feasibility and Value of a Split-Class Policy. *Journal of Computing in Higher Education*, 32 (2), 261-281. **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. **10.18489/sacj.v31i1.674**. [Open Access] 
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). **10.5817/CP2019-3-2**. [Open Access] [Materials]  
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. **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. **10.18489/sacj.v30i1.434**. [Open Access]
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. **10.1016/j.chb.2017.08.030**.


## Refereed Book Chapters

6. le Roux, D. B., & **Parry, D. A.** (2022). The Role of Self-regulation in Experiences of Digital Distraction in College Classrooms. In: Flanigan, A., & Kim, J. (eds) *Digital Distractions in the College Classroom* (pp. 92-119), IGI Global. **10.4018/978-1-7998-9243-4.ch005**
5. Abendroth A.,\* **Parry, D. A.**, le Roux D.B., Gundlach J. (2020) An Analysis of Problematic Media Use and Technology Use Addiction Scales – What Are They Actually Assessing?. In: Hattingh M., Matthee M., Smuts H., Pappas I., Dwivedi Y., Mntymki M. (eds) *Responsible Design, Implementation and Use of Information and Communication Technology. I3E 2020. Lecture Notes in Computer Science*, 12067. **10.1007/978-3-030-45002-1\_18**. [Preprint] [Materials]
4. le Roux D.B., & **Parry, D. A.** (2020) The Town Square in Your Pocket: Exploring Four Metaphors of Social Media. In: Hattingh M., Matthee M., Smuts H., Pappas I., Dwivedi Y., Mntymki M. (eds) *Responsible Design, Implementation and Use of Information and Communication Technology. I3E 2020. Lecture Notes in Computer Science*, 12067. **10.1007/978-3-030-45002-1\_16**. [Preprint]
3. **Parry, D. A.**, & le Roux D.B. (2020) Introducing the Media Use Behaviour Conceptual Framework. In: Hattingh M., Matthee M., Smuts H., Pappas I., Dwivedi Y., Mntymki M. (eds) *Responsible Design, Implementation and Use of Information and Communication Technology. I3E 2020. Lecture Notes in Computer Science*, 12067. **10.1007/978-3-030-45002-1\_15**. [Preprint]
2. **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. **10.1007/978-3-030-05813-5\_4**.
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. **10.1007/978-3-319-69670-6\_2**.


## Refereed Conference Proceedings

6. Eigelshoven, F.\* , Ulrich, A., **Parry, D. A.**, (2021). Cryptocurrency Market Manipulation – A Systematic Literature Review. *Proceedings of the International Conference on Information Systems (ICIS 2021)*, Austin, USA (Virtual Conference). [aisel.aisnet.org/icis2021/fintech/fintech/1](https://aisel.aisnet.org/icis2021/fintech/fintech/1). [Preprint]
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 Annual Conference*















of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2019), Skakuza, South Africa. **10.1145/3351108.3351146**. [Preprint] [Materials] 

4. Mbilini, S. \*, le Roux, D. B., **Parry, D. A.**, (2019). Does automation influence career decisions among South African students? *Proceedings of the Annual Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2019)*, Skakuza, South Africa. **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. *Proceedings of the Annual Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2016)*, Johannesburg, South Africa. **10.1145/2987491.2987493**. [Materials] 
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. *Proceedings of the Annual Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2016)*, Johannesburg, South Africa. **10.1145/2987491.2987498**.
1. **Parry, D. A.**, & Pretorius C., (2015). Maps as a technique for visualizing load-shedding schedules. *Proceedings of the Annual Conference of the South African Institute of Computer Scientists and Information Technologists (SAICSIT 2015)*, Stellenbosch, South Africa. **10.1145/2815782.2815784**.

## Other Publications

4. **Parry, D. A.**, (2019). *Media Multitasking and Cognitive Control: Assessing the Feasibility of an Intervention Requiring the Self-regulation of Smartphone Use*. Doctoral Thesis, Stellenbosch University. **10019.1/107323** [Open Access] 
3. **Parry, D. A.**, (2019). Permanently Online, Permanently Connected: Living and Communicating in a POPC World (Review). *Information, Communication, and Society* 22 (12), 1841-1844. **10.1080/1369118X.2019.1590441**.
2. **Parry, D. A.**, (2017). *The digitally-mediated study experiences of undergraduate students in South Africa*. Master's thesis, Stellenbosch University. **10019.1/102667** [Open Access].
1. **Parry, D. A.**, (2015). *An investigation of alternative information displays for load-shedding schedules*. Bachelor's (Honours) mini-thesis, Stellenbosch University.

## Preprints and Manuscripts in Preparation, Review or Revision (Limited)

6. **Parry, D. A.** (under review). Does the mere presence of a smartphone impact cognitive performance? A meta-analysis of the “brain drain effect” [Preprint] [Materials]   
5. **Parry, D. A.** (under review). Can Our Claims be Verified? Open Science Practices in Information Systems Research [Preprint] [Materials]   
4. Blackburn, A. M., Han, H., ... **Parry, D. A.**..., Vestergren, S. (under review). Mediation Analysis of Conspiratorial Thinking and Anti-Expert Sentiments on Vaccine Willingness [Preprint] [Materials]   
3. Fassi, L., Thomas, K., **Parry, D. A.**, Ford, T., Orben, A. (in preparation). Social media use and internalising problems in clinical and non-clinical adolescent populations: a systematic review and meta-analysis 
2. Conradie, L.,\* le Roux, D. B., **Parry, D. A.** (under review). Does constant online availability predict stress among knowledge workers? [Materials]   
1. **Parry, D. A.**, Sewall, J. R. (under review). How consistent are smartphone application preferences? A longitudinal study of mobile application repertoires using behavioral data. [Preprint] [Materials] 

## Academic Conference Presentations (Refereed)

15. le Roux, D.B. & **Parry, D. A.** (2022). Student WhatsApp Groups – A Boon or a Burden? *15<sup>th</sup> Annual Scholarship for Teaching and Learning conference (SOTL)*. Stellenbosch, South Africa.
14. Sewall, C. & **Parry, D. A.**, (2022). Leveraging digital trace data to examine differences in smartphone application preferences between healthy and psychologically distressed young adults. *International Society for Research on Internet Interventions (ISRII) 11<sup>th</sup> Scientific Meeting*, Pittsburgh, USA.
13. **Parry, D. A.** & Sewall, C. (2022). Do smartphone application preferences change over time or vary by demographics? A longitudinal study using behavioral data. *The 72<sup>nd</sup> annual conference of the International Communication Association (ICA)*, Paris, France.
12. Karnowski, V., **Parry, D. A.**, Stroud, T., Correa, E. S., Thorson, K., Battocchio, A. F., de Vreese, C., Araujo, T., Moller, J., Neijens, P. (2022). How methodological developments in social media use research help us understand the effects on well-being — Caught the bull by the horns! New tools for measuring media use in a changing media landscape. Panel presented at *The 72<sup>nd</sup> annual conference of the International Communication Association (ICA)*, Paris, France.
11. **Parry, D. A.**, Davidson, B. I., Sewall, C., Fisher, J. T., Mieczkowski, H., & Quintana, D. S., (2021). A Systematic Review and Meta-analysis Examining the Accuracy of Self-reported Digital Media Use. *The 71<sup>st</sup> annual conference of the International Communication Association (ICA)*, Denver, USA.
10. **Parry, D. A.**, le Roux, D. B., Morton, J., Pons, R., Pretorius, R., Schoeman, A., (2020). Are ‘Digital Wellbeing Applications’ Important for Digital Wellbeing? *The 18<sup>th</sup> International CyberSpace Conference*, Brno, Czech Republic.
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. *The 70<sup>th</sup> annual conference of the International Communication Association (ICA)*, Gold Coast, Australia.
8. Abendroth, A., Krasnova, H., Gundlach, J., **Parry, D. A.**, le Roux, D. B., (2019). Technology Use Addiction: Scales, Dimensions, Validity? *17<sup>th</sup> International CyberSpace Conference*, Brno, Czech Republic.
7. le Roux, D. B., **Parry, D. A.**, (2019). Towards an Integrated Framework of Technology Use Dimensions. *17<sup>th</sup> 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. *11<sup>th</sup> 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? *15<sup>th</sup> International CyberSpace Conference*. Brno, Czech Republic.
4. le Roux, D.B. **Parry, D. A.**, (2017). Metaphors of Social Media. *15<sup>th</sup> International CyberSpace Conference*. Brno, Czech Republic.
3. **Parry, D. A.**, le Roux D.B. (2017) Smartphones in lectures, is resistance futile? *10<sup>th</sup> 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? *14<sup>th</sup> 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. *9<sup>th</sup> Annual Scholarship for Teaching and Learning conference (SOTL)*. Somerset West, South Africa.



## Public Lectures, Invited Talks, Seminars & Colloquia

14. **Parry, D. A.** (2022). Achieving academic success in the face of digital distractions. Invited talk presented at *Pursue. Discover. Together. A webinar series for prospective students, and their support ecosystem, Stellenbosch, South Africa.*
13. **Parry, D. A.** (2022) Data donation as a solution to problems with estimates of digital technology usage. Invited talk presented at *The ProteaCHI ACM Special Interest Group Quarterly Meeting, South Africa.*
12. **Parry, D. A.** (2021) Using behavioural data to study media uses & effects: A brief overview of current work. Invited talk presented at *Sonja Utz's research group at Leibniz-Institut für Wissensmedien, Germany.*
11. **Parry, D. A.** (2021) What do we need to do to understand whether, how, and for whom social media use affects well-being? Invited Seminar presented at *The Cutting-edge Communication Research (CeCoR) at The Amsterdam School of Communication Research (ASCoR) Series (CeCoR@ASCoR), The University of Amsterdam, The Netherlands.* [Slides]
10. **Parry, D. A.** (2020) How accurate are self-reports of digital media use? Invited Seminar presented at the *Department of Communication Science, Vrije Universiteit Amsterdam, The Netherlands.* [Slides]
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-Institut für die vernetzte Gesellschaft – The German Internet Institute, Berlin, Germany.*
7. **Parry, D. A.** (2019) Systematic Reviews & Meta-Analyses: An introduction. Methods Workshop presented at *The Weizenbaum-Institut für die vernetzte Gesellschaft – 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 *Department of Information Science, Stellenbosch University, South Africa.*
1. **Parry, D. A.**, Pretorius, A., (2016) Human Decision Making and Artificial Intelligence – Predicting Sports Results. Colloquium Presented at the *Department of Information Science, Stellenbosch University, South Africa.*

## GRANTS, BURSARIES & OTHER FUNDING (TOTAL: R694 420 ♦ \$46 288)

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|---|------|
| <ul style="list-style-type: none"> <li>• <b>New Research Projects Grant: £1900 (R39 500)</b><br/> <i>University of Bath: School of Management</i><br/> Co-I. w/ P.I. Davidson, B.I. (UoB)</li> </ul>  | 2021 |
| <ul style="list-style-type: none"> <li>• <b>SICSS Partner Site Financial Support: \$8 200 (R122 500)</b><br/> <i>Alfred P. Sloan Foundation, Russel Sage Foundation, Facebook, &amp; The SSRC,</i><br/> <i>via Salganik, M. &amp; Bail, C.</i></li> </ul> | 2021 |

- **SICSS Partner Site Financial Support: \$15 000 (R225 000)** 2020  
*Alfred P. Sloan Foundation, Russel Sage Foundation, Facebook, & The SSRC, via Salganik, M. & Bail, C.*
- **DAAD Travel Grant: €1 246 (R23 000)** 2019  
*DAAD International Partnership.*
- **Harry Crossley Doctoral Bursary: R120 000 (\$9 120)** 2018  
*Harry Crossley Foundation*
- **Travel Grant: R15 000 (\$1 128)** 2017  
*Stellenbosch University*
- **Early Career Development Grant: R25 000 (\$1 880)** 2017  
*The Andrew W. Mellon Foundation*
- **Post-Graduate Merit Bursary: R27 500 (\$1 875)** 2016  
*Stellenbosch University*
- **Scarce Skills Bursary: R40 000 (\$3 120)** 2015  
*South African National Research Foundation*
- **Post-Graduate Merit Bursary: R17 500 (\$1 365)** 2015  
*Stellenbosch University*
- **Senior Merit Bursary: R7 500 (\$700)** 2014  
*Stellenbosch University*

## AWARDS AND HONOURS

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- **Best 2018 SACJ Paper Award (retrospective)** 2022  
South African Computer Journal (SACJ) on behalf of SAICSIT
- **Top 3 Paper Award** 2021  
International Communication Association (ICA), Mobile Communication Division
- **Best Paper Award** 2018  
South African Computer Lecturers Association (SACLA)
- **Bronze Award: Writing for News Media** 2018  
MACE congress awards (with SU Corporate Communications Division & le Roux, D. B.)
- **Think Tank Program** 2016  
Stellenbosch University, Katholieke Universiteit (KU) Leuven, Belgium

## SUPERVISION

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### Doctoral Supervision

1. Henry, M., (ongoing), The use of Enterprise Social Networks for Social Support within Virtual Teams. *PhD Socio Informatics*, SU (co-supervision w/ le Roux, D. B.)

### Masters Supervision

7. Steytler, M., (ongoing), TBC. *MA Socio Informatics*, SU (co-supervision w/ le Roux, D. B.).
6. Steyn, T., (ongoing), TBC. *MA Socio Informatics*, SU (co-supervision w/ le Roux, D. B.).
5. Ibrahim, M., (2022), Agile Software Development Practices in Remote Working Contexts: A Systematic Literature Review. *MA Socio Informatics*, SU.
4. Conradie, L., (2022), Cross-Domain Online Vigilance and Boundary Management Effects on Stress among Knowledge Workers *MPhil Information and Knowledge Management*, SU (co-supervision w/ le Roux, D. B.).

3. Eigelshoven, F., (2021), Investigation of Price Manipulation in Cryptocurrency Markets. *MSc Business Informatics and Digital Transformation*, Universität Potsdam (co-supervision w/ Ulrich, A.).
2. Schoonwinkel, P., (2020), Classification of Social Media Event-Discussions Using Interaction Patterns: A Social Network Analysis Approach. *MA Socio Informatics*, SU (co-supervision w/ Cornelissen, L. A.).
1. Mbilini, S., (2019), Automation and Labour Demand: South African Students' Awareness and Beliefs. *MA Socio Informatics*, SU (co-supervision w/ le Roux, D. B.).

## Honours/Bachelor Research Project Supervision

- *Bachelor of Informatics Honours, SU*
  - 2022: Bell, T., Botha, C., Pienaar, L., Williams, Y.
- *BComHons in Information Systems Management, SU*
  - 2021: Joubert, G., Moller, J., Small, D.
  - 2020: Morton, J., Pons, R., Pretorius, R., Schoeman, 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.
- *Wirtschaftsinformatik & Electronic Government, Bachelor Thesis, Universität Potsdam*
  - 2019: Abendroth, A. (exchange, co-supervision).

## TEACHING

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### Postgraduate Teaching

|  |              |
|--|--------------|
| <i>Bachelor of Informatics Honours, SU</i>   | 2022–present |
| <ul style="list-style-type: none"> <li>• 2022: Data Analysis with R (27 students, 18 contact hours).</li> </ul>  |              |
| <i>BComHons in Information Systems Management, SU</i>  | 2017–2021    |
| <ul style="list-style-type: none"> <li>• 2021: Data Analysis, Project Management (24 students, 36 contact hours).</li> <li>• 2020: Data Analysis, Project Management (23 students, 36 contact hours).</li> <li>• 2019: Data Analysis, Project Management (26 students, 24 contact hours).</li> <li>• 2018: Research Theory, Enterprise Systems, Project Management (23 students, 36 contact hours).</li> <li>• 2017: Research Theory, Enterprise Systems (15 students, 24 contact hours).</li> </ul> |              |
| <i>Postgraduate Diploma in Knowledge and Information Systems Management, SU</i>  | 2021–present |
| <ul style="list-style-type: none"> <li>• 2022: KM Systems: The Data Analysis Process (20 students, 6 contact hours)</li> <li>• 2021: KM Systems: The Data Analysis Process (25 students, 3 contact hours)</li> </ul>   |              |



## Undergraduate Teaching

- SU: Socio Informatics 314: Database Systems ( $\pm$  60 students; 100 contact hours) 2017–present
- SU: Socio Informatics 224: Introduction to Programming ( $\pm$  110 students; 60 contact hours) 2016–present
- SU: Socio Informatics 262: Decision-making and Organisation ( $\pm$  200 students; 28 contact hours) 2016

## SERVICE IN THE ACADEMIC COMMUNITY

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### Conference, Event, or Workshop Organisation

- Co-organised the *51st Annual Conference of the Southern African Computer Lecturers Association, SACLA 2022* with Barnett, R. J. & le Roux, D. B.
- Co-organised the *Summer Institute in Computational Social Science (SICSS) 2021* Partner Site at Stellenbosch University, South Africa with Barnett, R. J.
- Co-organised the *Summer Institute in Computational Social Science (SICSS) 2020* Partner Site at Stellenbosch University, South Africa with Barnett, R. J. & Cornelissen, A. C.

### Conference Chairing

- SACLA 2022: Program co-Chair

### Associate Editor (9)

- European Conference on Information Systems (ECIS):
  - 2023: Track - *Social Media and Digital Collaboration* (tbc).
  - 2022: Track - *Social Media and Digital Collaboration* (2).
  - 2021: Track - *Social Media and Digital Collaboration* (2).
  - 2020: Track - *Social Media – Digital Work Digital Life* (2).
  - 2020: Track - *Liberty, Equality, Fraternity in a Digitizing World: Values and Ethical Perspectives* (1).
- Pacific Asia Conference on Information Systems (PACIS):
  - 2022: Track - *Sustainability and Societal Impacts of ICTs* (2).

### Ad-hoc Journal Reviewer (70)

*Note:* partial records are available via my **Publons Reviewer Profile**.

Acta Psychologica (1); Behaviour & Information Technology (1); Clinical Psychological Science (3); Cognitive Processing (1); Computers in Human Behavior (12); Computers in Human Behavior Reports (9); Educational Psychology Review (2); Information, Communication, and Society (3); Internet Research (4); International Journal of Electronic Commerce (1); Journal of Cognitive Psychology (2); Learning and Individual Differences (1); Mass Communication and Society (1); Media Psychology (1); Mobile Media & Communication (1); Nature Human Behavior (1); New Review of Hypermedia and Multimedia (1); PLoS ONE (4); npj Mental Health Research (2); Psychological Research (2); Psychological Reports (1); Scientific Reports (1); Social Psychiatry and Psychiatric Epidemiology (1); South African Computer Journal (2); South African Journal of Information Management (3); Technology, Mind, and Behavior (8); Telematics and Informatics (2).

## Conference Programme (reviewing) Committee (41)

- International Communication Association (ICA) Annual Conference, 2020–present (12).
- European Conference on Information Systems (ECIS), 2019–present (3).
- The Americas Conference on Information Systems (AMCIS), 2020–present (3).
- SAICSIT Annual Conference, 2019–present (6).
- IFIP Conference on e-Business, e-Services and e-Society (I3E), 2020–present (6).
- ACM CHI Conference on Human Factors in Computing Systems, 2020–present (3).
- Computer Supported Cooperative Work and Social Computing Conference (CSCW), 2020 (2).
- International Conference on Information Systems (ICIS), 2020–present (3).
- The International AAAI Conference on Web and Social Media (ICWSM), 2021 (2).
- Federated Africa and Middle East Conference on Software Engineering (FAMECSE), 2022 (4).
- Southern African Artificial Intelligence Conference (SACAIR), 2022 (2).

## External Grant/Funding Evaluator

- *South African National Research Foundation (NRF)*.  
– NRF rating reviewer (2) 2021 - present

## External Examination

- MIT Information Systems, University of Pretoria (1)
- MSc Business Informatics & Digital Transformation, University Potsdam (1)

## Internal Examination

- MA Socio-Informatics, Stellenbosch University (2).
- MA Psychology, Stellenbosch University (1).

## External Programme Moderation

- MIT ICT Management (coursework), University of Pretoria 2022 - present

## Other Association/Conference Participation

- SAICSIT Council member (ordinary council member) 2022 - 2026
- ECR Event Planning Committee, ICA: Mobile Communication Interest Group 2022
- Session/panel Chair: ICA MobileComm, Emerging research in mobile communication 2022
- Host: ICA MobileComm, TopicCoffee Discussions 2022  
“Data Donation: A New Era for the Study of Mobile Communication?”

## DEPARTMENTAL & UNIVERSITY ADMINISTRATION & SERVICE

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- Academic Appointments Committees (interview panels) 2022 - present

– School for Data Science & Computational Thinking, SU (2022)

- Ad hoc acting Head of Department, SU IS 2022 - present
- Departmental Social Impact Representative, SU IS 2022 - present
- Departmental Self-evaluation committee, SU IS 2016, 2022
- Undergraduate Modules Co-ordinator & ISM Focal Area Co-ordinator, SU IS 2022 - present
- Departmental Ethics Screening Committee (DESC) co-ordinator, SU IS 2020 - present
- Departmental Higher Degrees Examination Panel (MA, MPhil), SU IS 2020 - present
- Marketing & PR Presentations, SU IS 2017 - present
- BCom Honours (ISM) Programme Selection Committee, SU IS 2017 - present

## OTHER COMMUNITY INTERACTION

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- Judge: BDO Financial Services Annual Hackathon 2022
- Advisory board: Beeline (startup) 2022

## CONTINUED RESEARCH, TEACHING AND SKILLS DEVELOPMENT

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### Formal Programs, Courses or Workshops

- *Software Instructor Training* 20 May (2022)  
The Software Sustainability Institute (SSI), Online.
- *NRF Rating workshop* 5 August (2021)  
The SU Division for Research Development, Online.
- *Learn to Write for the Media* 26–31 March (2021)  
The Conversation Africa, Online.
- *The Fundamentals of Grant Proposal Writing* 13–14 October (2020)  
The SU Division for Research Development, Online.
- *Research Transparency & Reproducibility Training* (RT2) 21–25 September (2020)  
The UC Berkeley Initiative for Transparency in the Social Sciences (BITSS), Online.
- *Summer Institute in Computational Social Science* (SICSS) 17–28 June (2019)  
Partner site at the University of Cape Town (Salganik, M., Bail, C. & Adjiwanou, V.), Cape Town.
- *LKU Certification: Applying Kanban (Foundation-KMP I) Training* 22–23 August (2018)  
Freislich, M., (Agile42), Cape Town.
- *Workshop on Teaching Portfolios* 14 March (2018)  
Cattell-Holden, K. & Kramm, N., Stellenbosch.
- *Data Carpentry Workshop* 6–8 November (2017)  
van Rensberg, A., Hodge, A., van der Linde, I., & Steyn, J., Stellenbosch.
- *Outsystems Developer Bootcamp* 23–27 October (2017)  
Worth, O. (Outsystems), Stellenbosch.
- *Workshop on the role of statistics in research* 3 August (2017)  
SU Statistical Consultation Services, Stellenbosch.
- *Making important decisions about publishing your research* 14 October (2016)  
SU Library and Information Service, Stellenbosch.
- *Think Tank Program*, (2016)  
KU Leuven and Stellenbosch University, Stellenbosch.

- *Graduate Programme* (2015)  
Frederick van Zyl Slabbert Institute for Student Leadership, Stellenbosch.

## Online Courses & MOOCs

### *Coursera Courses*

- 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.

### *DataCamp mini-courses* (27 with certificates) 2018

Introduction to R; Introduction to Data in R; Intermediate R; Introduction to the Tidyverse; Communicating with Data in the Tidyverse; Data Manipulation in R with dplyr; Joining Data in R with dplyr; Introduction to Importing Data in R; Working with Web Data in R; Exploratory Data Analysis in R; Correlation and Regression in R; Writing Functions in R; Data Visualisation with ggplot2 (part 1, part 2); Reporting with R Markdown; Cleaning Data in R; String Manipulation with stringr in R; Foundations of Probability in R; Foundations of Inference; Introduction to Machine Learning; Multiple and Logistic Regression in R; Text Mining with Bag-of-Words in R; Inference for Linear Regression in R; Visualisation Best Practices in R; Introduction to SQL; Joining Data in SQL; Intermediate SQL; Introduction to Git.

## PROFESSIONAL AFFILIATIONS AND MEMBERSHIPS

- South African Institute for Computer Scientists and Information technologists (SAICSIT) 2015 - present
- South African Computer Lecturers Association (SACLA) 2016 - present
- ACM Special Interest Group on Computer-Human Interaction (SIGCHI) Protea (SA) Chapter 2021 - present
- International Communication Association (ICA) 2022 - present
  - Mobile Communication Division
  - Communication & Technology Division

## OTHER EXPERIENCE

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

## WRITING FOR THE GENERAL PUBLIC

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- **Parry, D. A.** (2021) Do self-reports accurately capture media use? *Behavioural and Social Sciences at Nature Research*. <https://socialsciences.nature.com/posts/do-self-reports-accurately-capture-media-use>
- Przybylski, A. K., Johannes, N., Vuorre, M., Dodel, M., Gottlieb, C., Kaye, L. K., Davidson, D. I., Ellis, D. A., **Parry, D. A.**, Odgers, C. L., Sewall, J. R., Etchells, P., J., Abbas, R., Boniel-Nissim, M., Law, W., Erhel, S., Howard, A. L., Modecki, K., Orben, A. (2021) An Open Letter to Mr. Mark Zuckerberg: A Global Call to Act Now on Child and Adolescent Mental Health Science. *Oxford Internet Institute*. <https://www.oii.ox.ac.uk/an-open-letter-to-mark-zuckerberg>
  - USA Today: <https://bit.ly/3oqWrVZ>
  - ABC News: <https://ab.co/2ZW2ecH>
  - The Verge: <https://bit.ly/3lI2ZxB>
  - Business Insider: <https://bit.ly/3IsxcL0>

## MEDIA COVERAGE (SELECTED)

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- Voice of Islam, UK (2022) Radio Interview 18/05
- Psychology Today (2021) <https://bit.ly/3mUW6Jb>
- The Conversation USA (2021) <https://bit.ly/371n9eh>
- Psychology Today (2021) <https://bit.ly/2Vdcquz>
- Psychology Today (2021) <https://bit.ly/3v3uYdc>
- The Conversation Africa (2021) <https://bit.ly/3oI9Tn2>
- Psychology Today (2021) <https://bit.ly/3u9oSae>
- Fast Company (2021) <https://bit.ly/2RoVoIF>
- University of Bath Press release (2021) <https://bit.ly/2QxKS0E>
- Voice of Islam, UK (2020) Radio Interview 20/10 <https://bit.ly/3kepmIx>
- 5FM Roger Goode Show (2020) Radio Interview 16/03 <http://bit.ly/2WozTrc>
- IT News Africa (2020) <http://bit.ly/2IGmjri>
- Radio 702 (2020) Radio Interview 12/03 <http://bit.ly/2vqnckS>
- Business Insider (2020) <http://bit.ly/2Q7IBWX>
- eTV News (2020) TV Interview 11/02
- Smile FM: 'The Honest Truth' (2020) Radio Interview 11/02 <http://bit.ly/3bvbfKP>
- SU Press release (2020) <http://bit.ly/2SxFoAB>
- SU Press release (2020) <http://bit.ly/2SCPrUX>
- ERR Novaator (2018) <http://bit.ly/2U0BBBP>
- Daily Mail, UK (2020) <https://dailym.ai/2VEUWma>
- Cape Times, SA (2017) <http://bit.ly/2UNNjgd>
- Business Day, SA (2017) <http://bit.ly/2D7BU0k>
- TimesLive, SA (2017) <http://bit.ly/2U0DBtP>
- CapeTalk/Radio 702 (2017) Radio Interview <http://bit.ly/2Z5Tont>
- Voice of the Cape, morning show (2017) Radio Interview 19/10
- Smile FM: 'The Honest Truth' (2017) Radio Interview 18/10

- SU Press release (2017) <http://bit.ly/2KqKX2V>, <https://www.youtube.com/watch?v=SJAUwjiZNfg>