

DR DOUGLAS A. PARRY

@dougaparry ◊ dougaparry@sun.ac.za

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/ctrg |
| ORCID | orcid.org/0000-0002-6443-3425 |
| Google Scholar | bit.ly/2D8pp4V (citations: 72, h-index: 6) |
| ResearchGate | www.researchgate.net/profile/Douglas_Parry |

EDUCATION

| | |
|---|------|
| PhD in Socio Informatics (Stellenbosch University) | 2019 |
| Thesis: <i>Media Multitasking and Cognitive Control: Assessing the Feasibility of an Intervention Requiring the Self-regulation of Smartphone Use</i> | |
| 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: <i>The digitally-mediated study experiences of undergraduate students in South Africa</i> | |
| 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: <i>An investigation of alternative information displays for load-shedding schedules</i> | |
| 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

| | |
|---|-----------------------------------|
| Lecturer (permanent/tenured) | 2020 - present |
| <i>Information Science, Stellenbosch University</i> | <i>Stellenbosch, South Africa</i> |
| Contract Junior Lecturer (full time) | January 2017 - December 2019 |
| <i>Information Science, Stellenbosch University</i> | <i>Stellenbosch, South Africa</i> |
| Contract Junior Lecturer (part time) | January 2016 - December 2016 |
| <i>Information Science, Stellenbosch University</i> | <i>Stellenbosch, South Africa</i> |

VISITING POSITIONS

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

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

| | |
|---|----------|
| SICSS Partner Site Financial Support | 2020 |
| <i>Sloan Foundation, through Matt Salganik & Chris Bail</i> | \$15 000 |
| Harry Crossley Doctoral Bursary for Local Study | 2018 |
| <i>Harry Crossley Foundation</i> | R120 000 |
| Scarce Skills Bursary | 2015 |
| <i>South African National Research Foundation</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 | 2017 - present |
| Research Theory; Project Management; Enterprise Computing; Data Analysis | |
| 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

Coordinator:

- *Summer Institute in Computational Social Science (SICSS) 2020* Partner Site at Stellenbosch University, South Africa. Presented by Matthew Salganik and Chris Bail, co-organised with Richard Barnett, Aldu Cornelissen, and Brooke Jarrett.

Associate Editor:

- European Conference on Information Systems (ECIS), 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.

*Socio Informatics/Information Systems Management dual module

- SAICSIT Annual Conference, 2019.

Ad-hoc Journal Reviewer:

- Internet Research, 2019
- 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

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 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>

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.

MEDIA COVERAGE (SELECTED)

| | |
|---|-------------|
| ERR: Novaator: [Estonia] http://bit.ly/2U0BBBP | <i>2018</i> |
| Daily Mail UK: [United Kingdom] https://dailym.ai/2VEUWma | <i>2017</i> |
| Universe Online: [The Netherlands] http://bit.ly/2If9Psk | <i>2017</i> |
| Cape Times: [South Africa] http://bit.ly/2UNNjgd | <i>2017</i> |
| Business Day: [South Africa] http://bit.ly/2D7BU0k | <i>2017</i> |
| TimesLive: [South Africa] http://bit.ly/2U0DBtP | <i>2017</i> |
| CapeTalk/Radio 702 interview: [South Africa] http://bit.ly/2Z5Tont | <i>2017</i> |
| Radio Interview: Smile FM: Evening show discussion on recent research [South Africa] | <i>2017</i> |
| Radio Interview: Voice of the Cape: Morning show interview on recent research [South Africa] | <i>2017</i> |
| SU Press release: [South Africa] http://bit.ly/2KqKX2V https://www.youtube.com/watch?v=SJAUwjizNfg | <i>2017</i> |

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.