CARLOS DENNER DOS SANTOS

AI Scientist ◇ Montreal, QC, Canada

carlosdenner@gmail.com ◇ +1 (438) 836-4116

LinkedIn ◇ ResearchGate ◇ Google Scholar

RESEARCH INTERESTS

LLM security and prompt injection defense, AI governance and ethical AI systems, retrieval-augmented generation (RAG) and hallucination mitigation, digital innovation theory and reversible control, AI-driven digital inclusion, open-source software ecosystems, IT governance and digital transformation.

EDUCATION

University of Nottingham, England *December 2010 - December 2011*
PostDoc in Computer Science
Supervisor: George Kuk

University of São Paulo, Brazil *August 2009 - July 2011*
PostDoc in Computer Science
Supervisor: Fabio Kon

Southern Illinois University, United States *August 2005 - July 2009*
PhD in Information Systems
Supervisor: John Pearson

Federal University of Minas Gerais, Brazil *February 2003 - February 2005*
MSc in Management

State University of Minas Gerais, Montes Claros *February 1999 - December 2002*
BSc in Business

Technical School of Montes Claros, Brazil *February 1997 - December 1999*
Technical Degree in Data Processing

PROFESSIONAL EXPERIENCE (1999–2025)

AI Expert *July 2025 - Present*
Videns AI Montreal, Canada

Data Scientist Consultant *November 2021 - January 2025*
Bell Canada Montreal, Canada

Research Associate *May 2021 - April 2023*
École de Technologie Supérieure Montreal, Canada

Co-Investigator *February 2020 - Present*
Jooay App, McGill University Montreal, Canada

Assistant Researcher *November 2019 - February 2020*
CHU Sainte-Justine Research Center Montreal, Canada

Research Associate *June 2019 - May 2021*
Université du Québec à Montréal (UQAM) Montreal, Canada

Board Member *June 2017 - December 2018*
FINATEC (Foundation for Technological Projects) Brasília, Brazil

Consultant *November 2016 - February 2017*
Tribunal de Contas da União (Federal Court of Accounts) Brasília, Brazil

Adjunct Director *June 2016 - December 2020*
PhD Program in Management, University of Brasília Brasília, Brazil

Associate Director *January 2016 - December 2017*
Center for Technology Development (CDT), University of Brasília Brasília, Brazil

Consultant (Open Source Software Governance) *February 2014 - June 2016*
Ministry of Planning, Government of Brazil Brazil

Consultant *November 2013 - February 2014*
Ministry of Planning, Government of Brazil Brazil

Founder & Manager *January 2013 - December 2023*
Socie-Dados Research Lab, University of Brasília Brasília, Brazil

Associate Professor *December 2011 - December 2023*
University of Brasília Brasília, Brazil

Postdoctoral Researcher *December 2010 - December 2011*
University of Nottingham Nottingham, UK

Collaborating Professor *August 2010 - January 2011*
University of São Paulo São Paulo, Brazil

Postdoctoral Researcher *August 2009 - August 2011*
University of São Paulo São Paulo, Brazil

Project Advisor (SoftwarePublico.gov.br) *July 2009 - December 2010*
CTI Renato Archer Campinas, Brazil

Graduate Instructor *January 2008 - May 2008*
Southern Illinois University Carbondale Carbondale, IL, USA

Instructor (Professional Training) *June 2005*
FAPEMIG, Minas Gerais Research Foundation Brazil

Part-Time Lecturer *August 2004 - July 2005*
Universidade FUMEC Belo Horizonte, Brazil

Consultant (IT) *May 2004 - December 2004*
Bioquímica e Química do Brasil Ltda. Belo Horizonte, Brazil

Substitute Professor *March 2004 - August 2005*
Federal University of Minas Gerais Belo Horizonte, Brazil

Computer Programmer *August 2002 - February 2003*
Universidade Estadual de Montes Claros Montes Claros, Brazil

Professor *August 2001 - February 2003*
Fundação Educacional Montes Claros Montes Claros, Brazil

Network Administrator / Computer Programmer *March 1999 - January 2003*
Unimed Montes Claros Montes Claros, Brazil

ACADEMIC SUPERVISIONS

Postdoctoral Supervisions

Pedro Jacome de Moura Junior *2023*
Universidade de Brasília

Almir Oliveira Junior *2018*
Instituto de Pesquisa Econômica Aplicada (IPEA), Universidade de Brasília

Fabio Buiati *2017*
Centro de Apoio ao Desenvolvimento Tecnológico, Universidade de Brasília

PhD Supervisions

Anna Carolina Ribeiro *2022*
Risk management in public administration · Universidade de Brasília

Claudia Tolentino Santos *2021*
Pension governance and financial performance · Universidade de Brasília

Pablo Péron *2021*
Organizational survival post-incubation (AI-driven analysis) · Universidade de Brasília

Gustavo Alves *2021*
IT governance in the public sector · Universidade de Brasília

Patrícia Almeida *2019–2024*
AI governance and digital government · Universidade de Brasília

Deise Goulart *2021–Present*
NGO and public sector efficiency · Universidade de Brasília

Isabela Ferraz *2019*
Virtual community governance · Universidade de Brasília

Silvia Satiko Onoyama *2018*
Mechanisms for effective IT governance · Universidade de Brasília

Paulo Meirelles (co-supervisor) *2013*
Open-source software metrics monitoring · Universidade de São Paulo

MSc Supervisions

Leonel Cerqueira Santos *2016*
Non-operational mechanisms in IT governance effectiveness · Universidade de Brasília

Daniel Shim de Sousa Esashika *2016*
Influence of sponsors on open-source community structures · Universidade de Brasília

Isadora Vergara *2015*
Adaptive management vs. environmental determinism in blogs · Universidade de Brasília

Leonardo Oliveira *2015*
Consequences of innovation adoption · Universidade de Brasília

Juliana Miranda *2015*
Environmental and organizational variables in startup performance · Universidade de Brasília

Luiz Fernando Silva Pinto *2015*
Factors influencing effort and contributions on Wikipedia · Universidade de Brasília

Selected Undergraduate Research Supervisions

2020–2021: Thiago Lopes, Sara Andrade, Rayssa Lorrane, Rafael Azevedo Lima, Eduardo Martins, Edilson Niehues Rodrigues Lima

2018–2019: Valesca Scarlat C. da Fonseca, Raissa Paiva Pires, Vitor Gabriel G. da Silva, Saulo Barros de Melo, Ateldy Brasil Filho

2012–2014: Leonardo Alves dos Santos, André S. R. de Souza Marques, Wilton da Silva Rodrigues, Thiago F. Figueiredo, Lucas B. Cusinato Rodrigues

2009–2010: Rafael S. Suguiura (USP), Marcos Bonci (USP)

Selected Specialization/MBA & Undergraduate Final Projects

2021: Luiz Felipe Pimenta de Araujo (Serious games in teaching business strategy)

2014–2016: 15+ supervisions in business strategy and management topics

PUBLICATIONS

Journal Articles

[1] P. G. R. d. Almeida and C. D. d. Santos. **Artificial intelligence governance: understanding how public organizations implement IT**. *Government Information Quarterly* **42**.1 (2025), pp. 102003–102003.

[2] E. Mahmoudi, M. Movahed, A. Majnemer, C. D. d. Santos, G. Backlin, A. Siou, S. Glegg, L. Pritchard, J. McCabe, and K. Shikako-Thomas. **Gamification strategies that promote leisure participation in children and youth with disabilities**. *Disability and Rehabilitation Assistive Technology* (2025), pp. 1–21.

[3] S. Mori, C. Santos, and I. Ferraz. **Efeitos dos mecanismos de governança na capacidade absortiva de projetos de colaboração internacional: um estudo de caso na organização Embrapa**. *Revista Brasileira de Inovação 24, e* (2025).

[4] S. Mori, C. Santos, and I. Ferraz. **Effects of governance mechanisms on the absorptive capacity of international collaboration projects: a case study in the company Embrapa**. *Revista Brasileira de Inovação 24, e* (2025).

[5] L. F. P. d. Araújo, C. D. d. Santos, I. N. Ferraz, and P. P. d. Paula. **Ensinando estratégia empresarial usando jogos sérios na graduação: estado atual e potencialidades futuras**. *Gestão org* **21**.1 (2024). Open Access.

[6] E. Mahmoudi, P. Y. Yoo, A. Chandra, R. Cardoso, C. D. d. Santos, A. Majnemer, and K. Shikako-Thomas. **Gamification in mobile apps for children with disabilities: scoping review**. *JMIR Serious Games* **12** (2024). Open Access, e49029–e49029.

[7] P. J. d. Moura, C. D. d. Santos, C. G. P. Bellini, and J. J. L. Dias. **The Over-Concentration of innovation and Firm-Specific knowledge in the artificial intelligence industry**. *Journal of the Knowledge Economy* **15**.4 (2024), pp. 20547–20577.

[8] P. P. d. Paula and C. D. d. Santos. **Vulnerabilidade INICIAL PÓS-INCUBAÇÃO: PREVENDO a SOBREVIVÊNCIA ORGANIZACIONAL COM APRENDIZAGEM DE MÁQUINA**. *Revista Gestão e Desenvolvimento* **21**.1 (2024). Open Access, pp. 28–50.

[9] D. A. d. Silva, C. D. d. Santos, and I. N. Ferraz. **Como promover a colaboração em plataformas de dados abertos?** *Revista de Ciências da Administração* **26**.66 (2024). Open Access, pp. 1–30.

[10] E. Mahmoudi, P. Y. Yoo, A. Chandra, R. Cardoso, C. D. d. Santos, A. Majnemer, and K. Shikako-Thomas. **Gamification in mobile apps for children with disabilities: scoping review (Preprint)** (2023). Open Access.

[11] P. P. d. Paula, C. D. d. Santos, and F. F. Couto. **Organizational survival of Technology-Based companies after incubation: a qualitative comparative explanation**. *Review of Business Management* **25**.4 (2023). Open Access, pp. 498–515.

[12]   G. d. F. Alves and C. D. d. Santos. **The diffusion of innovations under normative induction in Brazil**. *RAUSP Management Journal* **57**.2 (2022). Open Access, pp. 149–164.

[13]   A. Etkkali, P.-N. Placide, and C. D. d. Santos. **Ict governance performance implications in higher education: a systematic review of the literature** (2022), pp. 102–107.

[14]   I. N. Ferraz and C. D. d. Santos. **Transformation OF FREE AND OPEN SOURCE SOFTWARE DEVELOPMENT PROJECTS: GOVERNANCE BETWEEN THE CATHEDRAL AND BAZAAR**. *Revista de Administração de Empresas* **62**.1 (2022). Open Access.

[15]   L. F. S. Pinto, C. D. d. Santos, and S. S. Onoyama. **Individual factors that influence effort and contributions on Wikipedia**. *arXiv (Cornell University)* (2022). Open Access.

[16]   C. D. d. Santos and J. Alves. **Home advantage in the Brazilian elite football: verifying managers' capacity to outperform their disadvantage**. *arXiv (Cornell University)* (2022). Open Access.

[17]   C. D. d. Santos, I. Castro, G. Kuk, S. S. Onoyama, and M. F. Moreira. **Bucking the trend: an agentive perspective of managerial influence on blogs attractiveness**. *arXiv (Cornell University)* (2022). Open Access.

[18]   C. D. d. Santos, M. Moreira, A. Panis, and D. Alves. **Crowdfunding for entrepreneurial education**. *International Journal of Information and Communication Technology Education* **18**.1 (2022). Open Access, pp. 1–13.

[19]   P. G. R. d. Almeida, C. D. d. Santos, and J. S. Farias. **Artificial intelligence regulation: a framework for governance**. *Ethics and Information Technology* **23**.3 (2021), pp. 505–525.

[20]   I. N. Ferraz and C. D. d. Santos. **Organization of free and open source software projects: in-between the community and traditional governance**. *Brazilian Business Review* **18**.3 (2021). Open Access, pp. 334–352.

[21]   D. A. d. Silva, J. A. D. SILVA, G. d. F. Alves, and C. D. d. Santos. **Gestão de riscos no setor público: revisão bibliométrica e proposta de agenda de pesquisa**. *Revista do Serviço Público* **72**.4 (2021). Open Access, pp. 824–854.

[22]   P. Y. Yoo, M. Movahed, I. Rue, C. D. d. Santos, A. Majnemer, and K. Shikako-Thomas. **Changes in use of a leisure activity mobile app for children with disabilities during the COVID-19 pandemic: retrospective study**. *JMIR Pediatrics and Parenting* **5**.1 (2021). Open Access, e32274–e32274.

[23]   C. BAZAR. **TRANSFORMAÇÃO DE PROJETOS DE DESENVOLVIMENTO DE SOFTWARE LIVRE: UMA GOVERNANÇA ENTRE A**. *Revista de Administração de Empresas 62 (1), e* (2020).

[24]   D. Esashika and C. D. d. Santos. **The influence of sponsors on organizational structure of free software communities**. *arXiv (Cornell University)* (2020). Open Access.

[25]   I. Ferraz and C. Santos. **Transformação de projetos de desenvolvimento de software livre: Uma governança entre a catedral e o bazar**. *Revista de Administração de Empresas 62, e* (2020).

[26]   A. C. M. L. Ribeiro and C. D. d. Santos. **Isso não é uma pirâmide: revisando o modelo clássico de dado, informação, conhecimento e sabedoria**. *Ciência da Informação* **49**.2 (2020). Open Access.

[27]   A. C. M. L. Ribeiro and C. D. d. Santos. **This is not a pyramid: revising the data, information, knowledge and wisdom classical model** (2020). Open Access.

[28]   C. R. L. Kohler, C. D. d. Santos, and M. Bursztyn. **Understanding environmental terrorism in times of climate change: implications for asylum seekers in germany**. *Research in Globalization* **1** (2019). Open Access, pp. 100006–100006.

[29]   L. F. d. Oliveira and C. D. d. Santos. **Intended AND UNINTENDED CONSEQUENCES OF INNOVATION ADOPTION: OPEN GOVERNMENT DATA ADOPTION BY THE FEDERAL DISTRICT OF BRAZIL**. *REAd Revista Eletrônica de Administração (Porto Alegre)* **25**.1 (2019). Open Access, pp. 1–25.

[30] L. Oliveira and C. Santos. **CONSECUENCIAS PREVISTAS Y NO PREVISTAS DE LA ADOPCIÓN DE INNOVACIÓN: ADOPCIÓN DE DATOS ABIERTOS POR PARTE DEL GOBIERNO DE DISTRITO FEDERAL DE BRASIL**. *REAd. Revista Eletrônica de Administração (Porto Alegre) 25, 1-25* (2019).

[31] L. Oliveira and C. Santos. **CONSEQUÊNCIAS PRETENDIDAS E NÃO PRETENDIDAS DA ADOÇÃO DE INOVAÇÕES: A ADOÇÃO DE DADOS ABERTOS PELO GOVERNO DO DISTRITO FEDERAL DO BRASIL**. *REAd. Revista Eletrônica de Administração (Porto Alegre) 25, 1-25* (2019).

[32] T. L. Gelenske, J. S. Farias, and C. D. d. Santos. **The PERCEIVED RISK AND TRUST IN THE BANK'S BRAND ON THE MOBILE BANKING USER VISION**. *Reuna* **23**.2 (2018). Open Access, pp. 1–22.

[33] L. F. d. Oliveira and C. D. d. Santos. **Public value innovation** (2018), pp. 1–9.

[34] P. P. d. Paula, J. S. Farias, and C. D. d. Santos. **Uma ANÁLISE SOBRE STARTUPS DE BASE TECNOLÓGICA a PARTIR DA LITERATURA DO PERÍODO 2008-2017**. *Anais do ... EGEPE* (2018). Open Access.

[35] L. F. S. Pinto and C. D. d. Santos. **Motivations of crowdsourcing contributors**. *Innovation & Management Review* **15**.1 (2018). Open Access, pp. 58–72.

[36] D. Esashika and C. D. d. Santos. **The influence of sponsors on organizational structure of free software communities** (2017), pp. 265–272.

[37] L. F. S. Pinto, S. S. O. Mori, and C. D. d. Santos. **Inovação na contramão: uma bibliometria dos artigos relativos aos usuários que inventam**. *Revista de Administração* **15**.3 (2017). Open Access, pp. 74–94.

[38] C. D. d. Santos. **Changes in free and open source software licenses: managerial interventions and variations on project attractiveness**. *Journal of Internet Services and Applications* **8**.1 (2017). Open Access.

[39] L. Santos and C. S. Jr. **Um estudo sobre o impacto dos mecanismos não operacionais na efetividade da governança detecnologia da informação pública**. *Revista de Administração (São Paulo) 52 (3), 256-267* (2017).

[40] L. C. Santos and C. D. d. Santos. **A study on the impact of non-operational mechanisms on the effectiveness of public information technology governance**. *Revista de Administração* **52**.3 (2017). Open Access, pp. 256–267.

[41] J. Q. Miranda, C. D. d. Santos, and A. T. Dias. **A INFLUÊNCIA DAS VARIÁVEIS AMBIENTAIS e ORGANIZACIONAIS NO DESEMPENHO DE STARTUPS**. *REGEPE Entrepreneurship and Small Business Journal* **5**.1 (2016). Open Access, pp. 28–65.

[42] I. V. Castro and C. D. d. Santos. **"o que gerencio e de quem dependo?": determinantes da ação de blogueiros**. *Revista de Administração Contemporânea* **19**.4 (2015). Open Access, pp. 486–507.

[43] L. Carletti, T. Coughlan, J. Christensen, E. M. Gerber, G. Giannachi, S. Schutt, R. Sinker, and C. D. d. Santos. **Structures for knowledge co-creation between organisations and the public** (2014), pp. 309–312.

[44] J. S. Farias, S. Sanders, C. D. d. Santos, and K. Rozzett. **Aceitação de tecnologia em terminais de autosserviço aeroportuários: explorando os efeitos dos moderadores idade, experiência e gênero** (2014). Open Access, pp. 66–77.

[45] G. Heindrickson and C. S. Jr. **Governança de ti em organizações públicas: como a efetividade percebida se relaciona com três mecanismos clássicos**. *JISTEM-Journal of Information Systems and Technology Management 11 (2), 297-326* (2014).

[46] G. Heindrickson and C. D. d. Santos. **Information technology governance in public organizations: how perceived effectiveness relates to three classical mechanisms**. *Journal of Information Systems and Technology Management* **11**.2 (2014). Open Access, pp. 297–326.

[47] C. d. S. Jr. **Edição temática: Software Livre/EDITOR's SPACE: Special issue: Free Software**. *Revista Electronica de Sistemas de Informaçao 13 (2), 1* (2014).

[48] C. d. S. Jr. **EDITOR's SPACE Special issue: Free Software**. *Revista Eletrônica de Sistemas de Informação 13 (2)* (2014).

[49] C. D. d. Santos. **Editorial**. *Revista Eletrônica de Sistemas de Informação* **13**.2 (2014). Open Access.

[50] N. Williams. **Global entrepreneurship: case studies of entrepreneurial firms operating around the world**. *International Journal of Entrepreneurial Behaviour & Research* **21**.4 (2014), pp. 642–643.

[51] I. T. V. M. N. Castro and C. D. d. Santos. **Popularidade em blogs: composição, causas e consequências**. *Revista Brasileira de Administração Científica* **4**.2 (2013). Open Access, pp. 185–198.

[52] L. Franco and C. Denner. **Adoção de Práticas de Gestão de Segurança da Informação na Administração Pública Federal (Adoption of Information Security Management Practices in the Federal Public ...** *SSRN Electronic Journal* (2013).

[53] L. Franco and C. Denner. **Adoção de Práticas de Gestão de Segurança da Informação na Administração Pública Federal (Adoption of Information Security Management Practices in the Federal Public Administration)**. *SSRN Electronic Journal* (2013).

[54] C. D. d. Santos, G. Kuk, F. Kon, and J. Pearson. **The attraction of contributors in free and open source software projects**. *The Journal of Strategic Information Systems* **22**.1 (2012). Open Access, pp. 26–45.

[55] V. A. d. Santos, A. Goldman, and C. D. d. Santos. **Uncovering steady advances for an extreme programming course**. *CLEI electronic journal* **15**.1 (2012). Open Access.

[56] P. Meirelles, C. D. d. Santos, J. M. d. Miranda, F. Kon, A. Terceiro, and C. Chávez. **A study of the relationships between source code metrics and attractiveness in free software projects** (2010), pp. 11–20.

[57] C. D. d. Santos and K. M. Nelson. **Motivation TO CREATE FREE AND OPEN SOURCE PROJECTS AND HOW DECISIONS IMPACT SUCCESS**. *Revista Eletrônica de Sistemas de Informação* **9**.2 (2010), pp. 4–4.

[58] C. D. d. Santos. **Understanding partnerships between corporations and the open source community: a research gap**. *IEEE Software* **25**.6 (2008), pp. 96–97.

[59] S. Brookhart, C. d. Flora, and C. D. d. Santos. **Bookshelf**. *IEEE Software* **24**.1 (2007), pp. 92–94.

[60] C. D. d. Santos and M. A. Gonçalves. **Análise da substituição de um software proprietário por umSoftware livre sob a ótica do custo total de Propriedade:Estudo de caso do setor de peças automobilísticas**. *DOAJ (DOAJ: Directory of Open Access Journals)* (2006). Open Access.

Conference Papers

[1] "Estudos de Aston e a Teoria Formal da Diferenciação Estrutural Revisitados: Os Resultados Ainda se Aplicam?" 2025.

[2] A. C. M. L. Ribeiro, G. Demo, and C. D. d. Santos. "Grupo FOCAL: APLICAÇÕES NA PESQUISA NACIONAL EM ADMINISTRAÇÃO". *Dialnet (Universidad de la Rioja)*. 2021.

[3] C. D. d. Santos, M. A. R. Dantas, R. A. d. Carvalho, H. L. C. Júnior, and L. A. Amaral. "Tecnologias e dados abertos para inovação em governo". 2021.

[4] C. D. d. Santos, I. d. Castro, S. S. Onoyama, and M. F. Moreira. "Bucking the trend: an agentive perspective of managerial influence on Blog'S attractiveness". *Proceedings of the ... Annual Hawaii International Conference on System Sciences/Proceedings of the Annual Hawaii International Conference on System Sciences*. Open Access. 2020.

[5] A. Panis, C. D. d. Santos, and J. B. S. Silva. "Crowdfunding in higher education: a classroom exercise for knowledge application and transfer". *AIS Electronic Library (AISeL) (Association for Information Systems)*. 2019.

[6] D. A. Silva and C. D. d. Santos. "Open government data: from transparency to social participation". *AIS Electronic Library (AISeL) (Association for Information Systems)*. 2019.

[7] G. d. F. Alves and C. D. d. Santos. "The day after adoption: managerial innovation abandonment and recycling". *AIS Electronic Library (AISeL) (Association for Information Systems)*. Open Access. 2018.

[8] C. d. Santos. "Whose Stake in Open Source Software Projects." *AMCIS*. 2018.

[9] B. Henrique and C. d. S. Júnior. "As consequências organizacionais das escolhas estratégicas das coalizões dominantes". *Diálogos Interdisciplinares 6 (1), 86-101*. 2017.

[10] L. F. d. Oliveira and C. D. d. Santos. "Inovações no setor público : uma abordagem teórica sobre os impactos de sua adoção". 2017.

[11] L. OLIVIERA. "SANTOS JÚNIOR, Carlos Denner". *Inovações no setor público: uma abordagem teórica sobre os impactos de sua ...* 2017.

[12] L. Santos and C. D. Santos. "Un estudio acerca de la influencia de los mecanismos no operacionales en la efectividad de lagobernanza de tecnología de la información pública". *Sao Paulo: Scielo. Obtenido de http://www. scielo. br/scielo. php*. 2017.

[13] L. F. d. Oliveira and C. D. d. Santos. "The two sides of the innovation coin". *Americas Conference on Information Systems*. 2016.

[14] T. Gelenske, J. Farias, and C. D. S. Junior. "A Relação entre o risco percebido e a confiança na marca do banco na ótica de usuários de mobile banking". *Seminários de Administração 27, 1-17*. 2015.

[15] D. Hastenreiter and C. D. d. Santos. "Impactos da escolha da licença na dinâmica de desenvolvimento de software livre". *Americas Conference on Information Systems*. 2015.

[16] L. F. S. Pinto and C. D. d. Santos. "Motivações dos contribuidores de crowdsourcing full paper". 2015.

[17] C. D. d. Santos and L. F. S. Pinto. "Motivações dos contribuidores de crowdsourcing". *Americas Conference on Information Systems*. 2015.

[18] I. Castro, J. Farias, and C. Júnior. "Redes Sociais Virtuais-Uma investigação de abordagens metodológicas de pesquisa". *CIAIQ*. 2014.

[19] N. Santos, C. d. Sousa, C. d. Santos, and R. Santos. "Business Incubation and the Pipeway Business Case in Brazil". *Global Entrepreneurship, 1-10*. 2014.

[20] C. Chavez, A. Terceiro, P. Meirelles, C. S. Jr, and F. Kon. "Free/libre/open source software development in software engineering education: Opportunities and experiences". *Fórum de Educaçao em Engenharia de Software (CBSoft'11-SBES-FEES)*. 2011.

[21] C. S. Jr, G. Kuk, F. Kon, and R. Suguiura. "The Inextricable Role of Organizational Sponsorship for Open Source Sustainability". *Proceedings of SOS*. 2011.

[22] P. Meirelles, F. Kon, and C. S. Jr. "Semi-Automatic Evaluation of Free Software Projects: A Source Code Perspective". *Salvador, Brazil, 42*. 2011.

[23] C. D. d. Santos, M. B. Cavalca, F. Kon, J. M. Singer, V. Ritter, D. Regina, and T. Tsujimoto. "Intellectual property policy and attractiveness". *Conference on Computer Supported Cooperative Work*. 2011.

[24] C. Melo, C. Jr, G. Ferreira, and F. Kon. "Um estudo exploratório dos fatores associados ao estímulo do aprendizado em times ágeis na indústria". *Experimental Software Engineering Latin American Workshop 7, 80-98*. 2010.

[25] C. D. d. Santos. "Atratividade de projetos de software livre: importância teórica e estratégias para administração". *Sociedad (University of Buenos Aires)*. Open Access. 2010.

[26] C. D. d. Santos, F. Kon, and J. Pearson. "Attractiveness of free and open source software projects". *AIS Electronic Library (AISeL) (Association for Information Systems)*. 2010, p. 105.

[27] C. S. Jr. "Open source software projects' attractiveness, activeness, and efficiency as a path to software quality: an empirical evaluation of their relationships and causes". *Southern Illinois University at Carbondale*. 2009.

[28] C. S. Jr and M. Gonçalves. "A resource-based explanation for the Apache consistent dominance in the web-server industry". *Associação Nacional dos Programas de Pós-Graduação em Administração (ANPAD)*. 2008.

[29] K. Nelson and C. Santos. "Attractiveness of Open Source Projects: A Path to Software Quality". *AMCIS*. 2007.

[30] C. D. d. Santos and M. A. Gonçalves. "Análise da substituição de um software proprietário por um software livre sob a ótica do TCO (Custo total de Propriedade):Estudo de caso do setor de peças automobilísticas". *Americanae (AECID Library)*. Open Access. 2005.

[31] J. AMÂNCIO, C. S. JÚNIOR, and M. GONÇALVES. "Avaliação de sistemas de informações". *CONGRESSO ANUAL DE TECNOLOGIA DA INFORMAÇÃO. Anais CATI, 1-14*. 2004.

Book Chapters

[1] A. C. M. L. Ribeiro, P. C. Ferreira, and C. D. d. Santos. **Automação e mercado de trabalho: análise da literatura e evidências empíricas**. *IPEA eBooks*. Open Access. 2024, pp. 217–253.

[2] S. Barbalho, G. Ghesti, S. Carvalho, C. d. Santos, and . AR Martin. **Capítulo 2 A Gestão da Inovação na Universidade de Brasília**. *BOAS PRÁTICAS DE GESTÃO EM NÚCLEOS DE INOVAÇÃO TECNOLÓGICA: Experiências ...* 2019.

[3] L. F. d. Oliveira and C. D. d. Santos. **Open innovation in the public sector**. *Springer proceedings in complexity*. 2018, pp. 458–466.

[4] C. D. d. Santos, M. A. Gonçalves, and F. Kon. **Apache sustained competitive advantage in the web server industry**. *IGI Global eBooks*. Open Access. 2011, pp. 259–273.

Datasets

[1] P. P. d. Paula, C. D. d. Santos, and F. F. Couto. **Supplementary data - organizational survival of Technology-Based enterprises after incubation: a qualitative comparative explanation**. Harvard Dataverse. Research Dataset. 2023.

[2] I. V. Castro and C. D. d. Santos. **"what do i manage and on whom do i depend": determinants of bloggers' actions**. Research Dataset. 2022.

[3] L. C. Santos and C. D. d. Santos. **A study on the impact of non-operational mechanisms on the effectiveness of public information technology governance**. Research Dataset. 2021.

Open Peer Reviews

[1] C. D. d. Santos. **Review of: "Artificial intelligence and organizational change"** (2023). Open Access.

Under Review / In Preparation

Denner, C. D. (et al.). Reversible Control as a Digital Innovation Theory: Changing the Control–Learning Relationship through Knowledge Deployment Capability. *MISQ Theory & Review track* – Unpublished manuscript.

Denner, C. D. (et al.). Building an LLM Firewall: A Multi-Phase Defense Against Prompt Injection – From Patent Landscape to Deployable Input-Side Guardrails. *Communications of the ACM* – Under review.

Denner, C. D. (et al.). Evaluating and Mitigating Hallucinations in Retrieval-Augmented Generation (RAG): An Experimental Framework. Manuscript in preparation.

Denner, C. D. (et al.). The AI Recommendation System of Jooay.com: Enhancing Digital Inclusion for Children and Youth with Disabilities. Manuscript in preparation.

RESEARCH GRANTS

FAP-DF Demanda Espontânea *2016–2021*
Principal Investigator
Research Support Foundation of Distrito Federal
Amount: ̱70,000 BRL

CAPES Pesquisador Júnior *2018*
Principal Investigator
Young Investigator Grant, Coord. for Improvement of Higher Education Personnel
Amount: ̱100,000 BRL

CNPq Edital Universal *2013–2015*
Principal Investigator
Universal Research Grant, National Council for Scientific and Technological Development
Amount: ̱10,000 BRL

AWARDS & HONORS

Horizon Institute Postdoctoral Fellowship *2011–2012*
Horizon Digital Economy Research Institute, UK · University of Nottingham

FAPESP Postdoctoral Fellowship *2009–2010*
São Paulo Research Foundation, Brazil · University of São Paulo

Pontikes Research Center Fellowship *2007*
Southern Illinois University · Open-source community partnership study

John M. Fohr Memorial Scholarship *2007*
Southern Illinois University Foundation · Excellence in Management studies

Fulbright/CAPES PhD Fellowship *2005–2009*
Fulbright Commission & CAPES, Brazil · Full fellowship for PhD studies in the USA

CNPq MSc Fellowship *2003–2005*
CNPq, Brazil · Graduate scholarship for M.Sc. studies in Management

Honorable Mentions *2013, 2015*
Two research papers received honorable mention at EnANPAD (Brazilian national conference)

PROFESSIONAL SERVICE

Editorial Board Member *2015–2025*
Journal of Global Information Technology Management

Ad-hoc Reviewer (Funding Agencies) *2015–Present*
Research grant proposals for CAPES (2015) and FAP-DF (2015–Present)

Board Member *2017–2018*
Foundation for Technological Projects (FINATEC), Brasília · University-industry partnerships

Consultant (Data Analytics) *2016–2017*
Tribunal de Contas da União (Federal Audit Court), Brazil · Education data analysis

Consultant (Open Source Governance) *2014–2016*
Ministério do Planejamento – softwarepublico.gov.br · Platform governance and licensing

Consultant (IT Management) *2013–2014*
Ministério do Planejamento, Brazil · IT workforce estimation and decision support

PhD Defense Committee Member   *2013–2023*
Multiple dissertation committees at Universidade de Brasília and other institutions

Academic Hiring Committee Member   *Various years*
University faculty hiring panels and graduate scholarship selection committees

Peer Reviewer (14 reviews, 2021–2025)
· Future Business Journal (2025)
· Heliyon – Cell Press (2024)
· Public Management Review (2023, 2 reviews)
· Journal of Global Information Technology Management (2022, 2023, 3 reviews)
· Journal of Open Innovation: Technology, Market, and Complexity (2023)
· Journal of Forensic Psychology Research and Practice (2023)
· IEEE Access (2022, 2 reviews)
· ACM Transactions on Software Engineering and Methodology (TOSEM) (2022)
· Revista de Administração Contemporânea (2022)

Conference Reviewer
AMCIS, ECIS, ICIS, AoM, ANPAD (EnANPAD), and other information systems and management conferences

PROFESSIONAL MEMBERSHIPS

Association for Information Systems (AIS)   *2015 - Present*

Brazilian Academy of Management (ANPAD)   *2010 - Present*

Academy of Management (AOM)   *2016 - Present*