

Research interests: textual explainable artificial intelligence (XAI), textual case-based reasoning (CBR), natural language models, textual machine learning. Application areas: biomedical sciences, science of science, legal.

\$4.5M

In federal funding As PI

~2000

G-Scholar citations

21

G-Scholar h-index

Rosina O. Weber, PhD

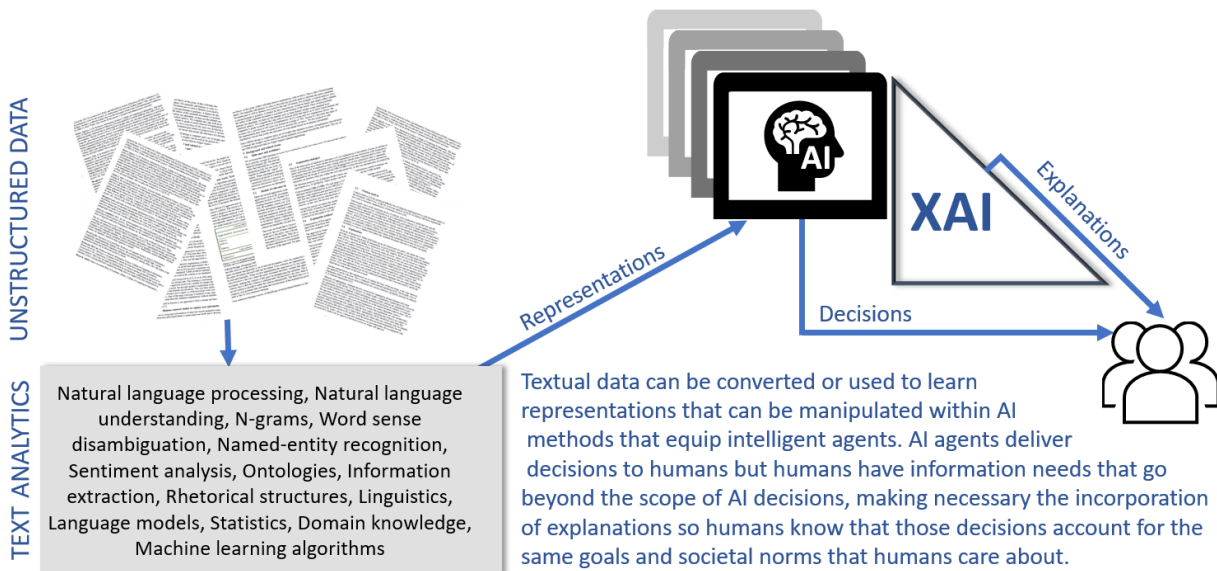
Associate professor

[personal webpage](#)

ORCID ID 0000-0001-7048-8812

rosina@drexel.edu

rosinaweber @ skype



Research

Use-inspired
Textual
Agents
&
Explainable
Agency

Education

Doctoral degree from the Federal University of Santa Catarina Graduate Program in Production Engineering with 18 months at the University of South Florida Graduate Program in Industrial Engineering and Systems, dissertation title, "Intelligent Jurisprudence Research."

Master's degree with Federal University of Santa Catarina Graduate Program in Production Engineering Major in Operations Research program, thesis title, "Fuzzy Expert System for Credit Analysis."

Bachelor of science in Management from the School of Economic Sciences at the Federal University of Rio Grande do Sul.

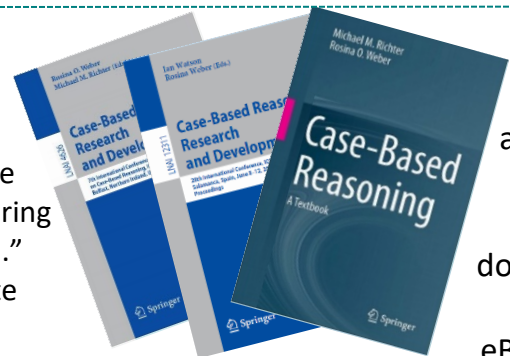
Appointments

2007-present: Associate Professor at the College of Computing & Informatics, Drexel University.

2007-2008: Director of Undergraduate Programs at the College of Information Science & Technology, Drexel University.

2001-2007: Assistant Professor at the College of Information Science & Technology, Drexel University.

1999-2001: Postdoc at the Naval Research Laboratory at the Navy Center for Applied Research in Artificial Intelligence.



Books

Textbook
among top
25%
most
downloaded
Springer
eBooks with

Awards

Best paper award International
Conference on Case-Based
Reasoning 2018, Best paper award
Association for Library and
Information Science Education 2010

Community

Program co-chair for:
ICCBR2020: The first virtual ICCBR
IJCAI 2020 XAI Workshop
AAAI 2021 XAI Workshop

Proposing chair for Mid-Career Diversity and Inclusion Events @ AAAI 2020, 2021
Advisory Board member for the International Conference on Case-Based Reasoning 2021

Table of Contents

SCHOLARSHIP	3
GRANTS	4
INTERNAL COMPETITIONS	4
INVITED TALKS FROM 2010	4
PUBLICATIONS	4
PREPRINTS	4
BOOK	5
EDITED BOOKS	5
BOOK CHAPTERS FROM 2018	5
REFEREED JOURNAL ARTICLES	5
REFEREED CONFERENCE PAPERS	6
REFEREED WORKSHOP AND SYMPOSIUM PAPERS	11
BOOK CHAPTERS BEFORE 2010	13
EDITED VOLUMES	14
INVITED (NON-REFEREED) JOURNAL ARTICLES	14
DISSERTATION AND THESIS	14
PUBLISHED SHORT PAPERS PRESENTED AS POSTERS	15
OTHER NON-REFEREED	15
TEACHING	16
COURSES TAUGHT AND NUMBER OF SECTIONS	17
ADVISING	17
DOCTORAL STUDENTS GRADUATED – COMMITTEE CHAIR	17
DOCTORAL STUDENTS GRADUATED – CO-ADVISOR IN EXTERNAL PROGRAMS	17
DOCTORAL DISSERTATION COMMITTEE CHAIR	17
DOCTORAL DISSERTATION COMMITTEE MEMBER	18
GRADUATE MASTER’S THESES SUPERVISED	18
GRADUATE MASTER’S THESES COMMITTEE	18
UNDERGRADUATE BACHELOR’S THESES SUPERVISED	18
RESEARCH EXPERIENCE MENTORING	19
SERVICE	20
SERVICES TO SCIENTIFIC COMMUNITY	21
ADVISORY BOARD	21
PROGRAM CHAIR	21
PROGRAM COMMITTEES SINCE 2010	22
EDITORIAL POSITIONS	22
INVITED REVIEWER: JOURNALS	23
INVITED REVIEWER: PANELS	23
ASSOCIATIONS	23
SERVICE TO COMMITTEES AT DREXEL UNIVERSITY	24
SERVICE TO COMMITTEES AT THE COLLEGE OF COMPUTING AND INFORMATICS	25
SERVICE TO COMMITTEES AT THE DEPARTMENT OF INFORMATION SCIENCE	25
SERVICE TO COMMITTEES AT THE COLLEGE OF INFORMATION SCIENCE AND TECHNOLOGY	25

Scholarship

The next pages include grants, publications, and talks. The publications listed are categorized as peer-reviewed journal, conference and workshops, and others that are not peer-reviewed.

Grants

1. **2020-2024:** xARA: ARA through Explainable AI. NIH-NCATS NATIONAL CENTER FOR ADVANCING TRANSLATIONAL SCIENCES. **US \$3,744,000**
2. **2005-2012:** Knowledge Management, Transfer, and Learning, for the Center for Advancing Microbial Risk Assessment (CAMRA), Department of Homeland Security and Environmental Protection Agency, 2005-2012. **US \$679,272**
3. **2003-2004:** Managing Knowledge in the CI-Tool, 2003-2004.
Funded by the National Institute for Systems Test and Productivity (NISTP) at the University of South Florida under the USA Space and Naval Warfare Systems Command grant no. N00039-02-C-3244, for 2130 032 L0, 2002, in the amount of **US \$93,681**
4. **2002-2003:** Case-based reasoning for Software Testing, 2002-2003.
Funded by the National Institute for Systems Test and Productivity (NISTP) at the University of South Florida under the USA Space and Naval Warfare Systems Command grant no. N00039-02-C-3244, for 2130 032 L0, 2002, in the amount of **US \$78,000**

Internal Competitions

5. 2010: Winner Drexel Internal Competition to apply for NSF-IGERT
6. 2009: Winner Drexel Internal Competition to apply for NSF-IGERT

Invited Talks From 2010

7. Keynote at ICKM2019: The Third Wave of AI and the Management of Scientific Knowledge
8. NFAIS 2019: Challenges and Potential Benefits of Applying Artificial Intelligence in Scholarship
9. AI in Industry Panel at Drexel University
https://1513041.mediaspace.kaltura.com/media/Exec+Panel+on+AI+April%2C+10%2C+2019/1_bzyn7yeg
10. The Future of CBR. ICCBR 2018 Panel.
11. DFKI, Kaiserslautern, Germany. Helping Scientists Collaborate. June 2011.

Publications

Preprints

12. Johs, A. J., Agosto, D., & Weber, R. O. (2021). Qualitative Investigation in Explainable Artificial Intelligence: A Bit More Insight from Social Science. arXiv:2011.07130
13. Amiri, S, Weber, R. Goel, P., Owen Brooks, Archer Gandley, Brian Kitchell, Aaron Zehm. Data Representing Ground-Truth Explanations to Evaluate XAI Methods. arXiv:2011.09892 [cs.LG]

Book

14. Richter, Michael M. and Weber, Rosina O. (2013). Case-Based Reasoning: a Textbook. Springer-Verlag: Berlin Heidelberg.

Edited Books

15. Watson, I. and Weber, Rosina (2020). Case-Based Reasoning Research and Development Lecture Notes in Computer Science (LNCS, volume 12311), Springer, Cham.
16. Weber, Rosina O.; Richter, Michael M. (Eds.) Case-Based Reasoning Research and Development. (2007) Lecture Notes in Computer Science, Vol. 4626: Lecture Notes in Artificial Intelligence 2007, XIII, 534 p. ISBN: 978-3-540-74138-1.

Book Chapters from 2018

17. Weber, Rosina O.; and Kinkela, Maureen P. (2020). AI-Informed Analytics Cycle. In J. Liebowitz (ed) Data Analytics and AI. CRC Press. Chapter 12, pp. 211-234.
18. Pacheco R.C.S., R. Nascimento E., Weber R.O. (2018) Digital Science: Cyberinfrastructure, e-Science and Citizen Science. In: North K., Maier R., Haas O. (eds) Knowledge Management in Digital Change (pp. 377-388). Progress in IS. Springer, Cham.

Refereed Journal Articles

19. Weber, R. O., and Duarte, K. Data-driven artificial intelligence to automate researcher assessment. Under revision with Scientometrics.
20. Weber, R. O. (2019). Applying Artificial Intelligence in the Science & Technology Cycle. Information Services & Use, vol. 39, no. 4, pp. 303-318.
21. Weber, R. O. (2018) Objectivistic knowledge artifacts, Data Technologies and Applications, Vol. 52 Issue: 1, pp.105-129, <https://doi.org/10.1108/DTA-03-2017-0012>
22. Ceci, F., Weber, R. O., & Goncalvez, A. (2016). A model for sentiment analysis based on ontology and cases. IEEE Latin America Transactions 14(11):4560.
23. Gunawardena, S., Weber, R., & Agosto, D. E. (2010). Finding that Special Someone: Modeling Collaboration in an Academic Context. Journal of Education for Library and Information Science, 51(4). Winner of the 2010 ALISE Best Paper Award. <http://hdl.handle.net/1860/4141>
24. Weber, R. O. (2007). Addressing Failure Factors in Knowledge Management. Electronic Journal of Knowledge Management, 5(3): pp. 333-346. Online: <http://www.ejkm.com/volume-5/v5-i3/Weber.pdf>
25. Becerra-Fernandez, I., Cousins, K. C., & Weber, R. O. (2007). Nomadic Knowledge Management Systems: Applications, Challenges, and Research Problems. *Int. J. Mobile Learning and Organisations*, Vol. 1, No. 2, 103.
26. Weber, R. O. (2006). Fuzzy Set Theory and Uncertainty in Case-Based Reasoning. *Engineering Intelligent Systems*, 14(3), 121-136.
27. Weber, R. O., Ashley, K., & Brüninghaus, S. (2005). Textual Case-Based Reasoning. *Knowledge Engineering Review*, 20(3), 255–260. <http://hdl.handle.net/1860/1731>

28. Althoff, K.-D., & Weber, R. O. (2005). Knowledge Management in Case-Based Reasoning. *Knowledge Engineering Review*, 20(3), 305–310. <http://hdl.handle.net/1860/1726>
29. Cheetham, W., Shiu, S. C. K., & Weber, R. O. (2005). Soft Case-Based Reasoning. *Knowledge Engineering Review*, 20(3), 267–269. <http://hdl.handle.net/1860/1729>
30. Weber, R., & Aha, D. W. (2003). Intelligent Delivery of Military Lessons Learned. *Decision Support Systems*, 34(3), 287–304. <http://hdl.handle.net/1860/2672>
31. Weber, R., Aha, D. W., & Becerra-Fernandez, I. (2001). Intelligent Lessons Learned Systems. *Expert Systems with Applications*, 20(1), 17–34. <http://hdl.handle.net/1860/2674>

Refereed Conference Papers

32. Duarte, K., Weber, R. O., Pacheco, R.C.S. (2018). Um método orientado a propósito aplicado ao Currículo Lattes para fins de concessão de fomento a pesquisadores em grupos colaborativos. (Purpose-oriented method to assess researcher quality using data from Lattes for funding purposes). I Seminário de Avaliação de Políticas de CT&IAt: Brasília, DF, Brasil. Sep 2018. In Portuguese. <https://doi.org/10.13140/rg.2.2.15749.19686>
33. Weber, R.O., Johs, A.J., Li, J., Huang, K. (2018) Investigating Textual Case-Based XAI. In M. T. Cox et al. (Eds.): ICCBR 2018, Lecture Notes in Computer Science 11156, pp. 431–447. Springer. Winner of the ICCBR 2018 Best Paper Award. <https://www.researchgate.net/publication/327273653>
34. Peixoto, T., Martinazzo, L., Weber, R.O. (2017). Cyberinfrastructure Requirements for Research Communities. In CIKI: VII International Conference on Knowledge and Innovation. Brazil. <https://www.researchgate.net/publication/319269132>
35. Duarte, K., Weber, R. O., Pacheco, R.C.S. (2016). Purpose-oriented metrics to assess researcher quality. In proceedings of the 21st International Conference on Science and Technology Indicators (STI2016), pp. 1310-1314. <https://www.researchgate.net/publication/308406223>
36. Duarte, K., Weber, R. O., Pacheco, R. C. S. (2016) Conceptual data model for research collaborators. In CIKI: VI International Conference on Knowledge and Innovation. Bogota', Colombia. Oct 31- Nov 1st
37. Black, A. E. & Weber, R. O. (2016). Introducing Supplemental Context for Word Sense Disambiguation. ICTAI 2016: The annual IEEE International Conference on Tools with Artificial Intelligence. pp. 1068-1075. IEEE. DOI: [10.1109/ICTAI.2016.0164](https://doi.org/10.1109/ICTAI.2016.0164)
38. Black, A. E.; Weber, R. O.; Zelenkauskaitė, A. (2016). Method to Validate Word Sense Disambiguation for Big Data. In Zdravko Markov and Ingrid Russell (eds). Proceedings of the Twenty-Ninth International Florida Artificial Intelligence Research Society Conference, pp. 703. Palo Alto, CA: All Press.
39. Ceci, F., Weber, R. O., Goncalvez, A., & Pacheco, R. (2015). Adapting Sentiments with Context. In Mirjam Minor and E Huellermeyer (Eds.): ICCBR 2015, pp. 44-59. Springer-Verlag Berlin Heidelberg.
40. Waldstein I., M. O. Weber R. and Handly, N. B. (2013). Lightweight Ontologies in Context - Relationship between Ontology Characteristics and Context Parameters. In Proceedings of

- the International Conference on Knowledge Engineering and Ontology Development, pages 308-315. DOI: 10.5220/0004550303080315.
41. Gunawardena, S., Weber R.O., Stoyanovich, J. (2013) Learning Feature Weights from Positive Cases. In S J Delany and S J Ontañón (Eds.): ICCBR 2013, LNAI 7969, pp. 134–148. Springer-Verlag Berlin Heidelberg. <http://hdl.handle.net/1860/4150>
 42. Gunawardena, S. and Weber R.O. (2013) Applying CBR Principles to Reason without Negative Exemplars. In International FLAIRS Conference, FLAIRS'2013. AAAI Press, Menlo Park, California. <http://hdl.handle.net/1860/4149>
 43. Waldstein, I. and Weber R. O. (2013) Guidance for Ontology Design. In International FLAIRS Conference, FLAIRS'2013. AAAI Press, Menlo Park, California.
 44. Gunawardena, S. and Weber R. O. (2012). Blueprints for Success - Guidelines for Building Multidisciplinary Collaboration Teams. International Conference on Agents and Artificial Intelligence. J. Filipe and A. L. N. Fred. Vilamoura, Algarve, Portugal, SciTePress. 1: 387-393. <http://hdl.handle.net/1860/4147>
 45. Weber, R. and Gunawardena, S. (2011). Representing Scientific Knowledge. Cognition and Exploratory Learning in the Digital Age. Rio de Janeiro, Brazil. 6–8 November. <http://hdl.handle.net/1860/4146>
 46. Gunawardena, S., & Weber, R. (2009). Discovering Patterns of Collaboration for Recommendation. In Proceedings 22th International FLAIRS Conference, FLAIRS'09. AAAI Press, Menlo Park, California, 2009. <http://hdl.handle.net/1860/4145>
 47. Weber, R. O., Gunawardena, S. & Abraham, G. (2008). Representing and Retrieving Knowledge Artifacts. T. Yamaguchi (Ed.): PAKM 2008, LNAI 5345, pp. 86–97, 2008. © Springer-Verlag Berlin Heidelberg 2008 <http://hdl.handle.net/1860/4144>
 48. Weber, R. O., Gunawardena, S. & MacDonald, C. (2008). Horizontal Case Representation. In K.-D. Althoff et al. (Eds.), *Advances in Case-Based Reasoning: Proceedings of the European Conference on Case-Based Reasoning (ECCBR 2008)*; LNAI 5239 (pp. 548–561). Berlin: Springer. <http://hdl.handle.net/1860/4142>
 49. Weber, R. O. & Gunawardena, S. (2008). Designing Multifunctional Knowledge Management Systems. Proceedings of the 41st Annual Hawaii International Conference on System Sciences (HICSS-41), Jan. 2008 Page(s):368–368. <http://hdl.handle.net/1860/4143>
 50. Weber, R. O., Gunawardena, S. and Proctor, J. M. Generating Reports from Case-Based Knowledge Artifacts, in Proceedings of the Twentieth International Florida Artificial Intelligence Research Society, D. Wilson and G. Sutcliffe, Eds. Menlo Park, CA: AAAI Press, 2007. <http://hdl.handle.net/1860/1825>
 51. Weber, R. O., Morelli, M. L., Atwood, M. E. & Proctor, J. M. (2006). Designing a Knowledge Management Approach for the CAMRA Community of Science. U. Reimer and D. Karagiannis (Eds.): PAKM 2006, LNAI 4333, pp. 315–325. Springer-Verlag Berlin Heidelberg. <http://hdl.handle.net/1860/1662>
 52. Proctor, J. M., & Weber, R. (2006). Identifying the Core of an Emerging Multidisciplinary Domain. In Proceedings of the 69th ASIS&T 2006 Annual Meeting, Information Realities: Shaping the Digital Future for All, vol. 43, CD-ROM, Richard B. Hill: Silver Spring, MD. <http://hdl.handle.net/1860/4152>

53. Fowler, C., & Weber, R. (2006). Information Technology Incorporating Emotion in Dialogues. In *Proceedings of the International Conference on Information Society (i-Society 2006)*: e-Centre for Infonomics. <http://hdl.handle.net/1860/2733>
54. Weber, R. O., Proctor, J. M., Waldstein, I., & Kriete, A. (2005). CBR for Modeling Complex Systems. In H. Muñoz-Avila & F. Ricci (Eds.), *Case-Based Reasoning Research and Development: Proceedings of the Sixth International Conference on Case-Based Reasoning (ICCBR 2005)*; LNAI 3620 (pp. 625-639). Berlin: Springer. <http://hdl.handle.net/1860/2057>
55. Proctor, J. M., & Weber, R. O. (2005). Systematically Evolving Configuration Parameters for Computational Intelligence Methods. In S. K. Pal, S. Bandyopadhyay & S. Biswas (Eds.), *Pattern Recognition and Machine Intelligence: Proceedings of the First International Conference (PReMI 2005)*; LNCS 3776 (pp. 376–381). Berlin: Springer. <http://hdl.handle.net/1860/2039>
56. Weber, R., Waldstein, I., Deshpande, A., & Proctor, J. M. (2005). Integrated Approach to Detect Inconspicuous Contents. In K.-D. Althoff, A. Dengel, R. Bergmann, M. Nick & T. Roth-Berghofer (Eds.), *Professional Knowledge Management: Proceedings of WM 2005, Revised Selected Papers*; LNAI 3782 (pp. 304–315). Berlin: Springer. <http://hdl.handle.net/1860/2729>
57. Martins, M. C., & Weber, R. (2005). Modeling Preferences Online. J. Filipe, J. Cordeiro, and V. Pedrosa (Eds.): Best selected papers from WEBIST 2005/2006, LNBIP 1, pp. 153–165, 2007. © Springer-Verlag Berlin Heidelberg 2007. <http://hdl.handle.net/1860/2053>
58. Weber, R., Evanco, W., Waller, M., & Verner, J. M. (2004). Identifying Critical Factors in Case-Based Prediction. In V. Barr & Z. Markov (Eds.), *Proceedings of the Seventeenth International Florida Artificial Intelligence Research Society Conference (FLAIRS 2004)* (pp. 207–212). Menlo Park CA: AAAI Press. <http://hdl.handle.net/1860/1741>
59. Cunningham, C., Weber, R., Proctor, J. M., Fowler, C., & Murphy, M. (2004). Investigating Graphs in Textual Case-Based Reasoning. In P. Funk & P. A. González Calero (Eds.), *Advances in Case-Based Reasoning: Proceedings of the Seventh European Conference (ECCBR 2004)*; LNAI 3155 (pp. 573–586). Berlin: Springer. <http://hdl.handle.net/1860/2052>
60. Allendoerfer, K. R., & Weber, R. (2004). PlayMaker: An Application of Case-Based Reasoning to Air Traffic Control Plays. In P. Funk & P. A. González Calero (Eds.), *Advances in Case-Based Reasoning: Proceedings of the Seventh European Conference (ECCBR 2004)*; LNAI 3155 (pp. 476–488). Berlin: Springer. <http://hdl.handle.net/1860/530>
61. Weber, R., & Wu, D. (2004). Knowledge Management for Computational Intelligence Systems. In *Proceedings of the Eighth IEEE International Symposium on High Assurance Systems Engineering (HASE '04)* (pp. 116–125). Los Alamitos CA: IEEE Press. <http://hdl.handle.net/1860/1744>
62. Weber, R., Waller, M., Verner, J., & Evanco, W. (2003). Predicting Software Development Project Outcomes. In K. D. Ashley & D. G. Bridge (Eds.), *Case-Based Reasoning Research and Development: Proceedings of the Fifth International Conference on Case-Based Reasoning* (pp. 595–609). Berlin: Springer. <http://hdl.handle.net/1860/2044>

63. Weber, R., & Aha, D. W. (2002). Intelligent Elicitation of Military Lessons. In *Proceedings of the Sixth International Conference on Intelligent User Interfaces* (pp. 226–227). New York: ACM Press. <http://hdl.handle.net/1860/2056>
64. Aha, D. W., Weber, R., Muñoz-Avila, H., Breslow, L. A., & Gupta, K. M. (2001). Bridging the Lesson Distribution Gap. In *Proceedings of the Seventeenth International Joint Conference on Artificial Intelligence (IJCAI 2001)* (pp. 987–992). San Francisco, CA: Morgan Kaufmann Publishers, Inc. <http://hdl.handle.net/1860/2038>
65. Muñoz-Avila, H., Aha, D. W., Nau, D. S., Weber, R., & Breslow, L. A. (2001). SiN: Integrating Case-Based Reasoning with Task Decomposition. In *Proceedings of the Seventeenth International Joint Conference on Artificial Intelligence (IJCAI 2001)* (pp. 999–1004). San Francisco, CA: Morgan Kaufmann Publishers. <http://hdl.handle.net/1860/2689>
66. Weber, R., Aha, D. W., Sandhu, N., & Muñoz-Avila, H. (2001). A Textual Case-Based Reasoning Framework for Knowledge Management Applications. In *Proceedings of Professionelles Wissenmanagement Erfahrungen und Visionen. Knowledge Management by Case-Based Reasoning: Experience Management as Reuse of Knowledge* (pp. 244–253). Aachen: Shaker Verlag. <http://hdl.handle.net/1860/2033>
67. Weber, R., Breslow, L. A., & Sandhu, N. (2001). On the Technological, Human, and Managerial Issues in Sharing Organizational Lessons. In *Proceedings of the Fourteenth International Florida Artificial Intelligence Research Society Conference (FLAIRS 2001)* (pp. 334–338). Menlo Park CA: AAAI Press. <http://hdl.handle.net/1860/2054>
68. Weber, R., Aha, D. W., Muñoz-Avila, H., & Breslow, L. A. (2000). Active Delivery for Lessons Learned Systems. In E. Blanzieri & L. Portinale (Eds.), *Advances in Case-Based Reasoning Research and Development: Proceedings of the Fifth European Workshop on Case-Based Reasoning (EWCBR 2000); LNAI 1898* (pp. 322–334). Berlin: Springer. <http://hdl.handle.net/1860/2043>
69. Muñoz-Avila, H., Aha, D. W., Breslow, L. A., Nau, D. S., & Weber, R. (2000). Integrating Conversational Case Retrieval with Generative Planning. In E. Blanzieri & L. Portinale (Eds.), *Advances in Case-Based Reasoning Research and Development: Proceedings of the Fifth European Workshop on Case-Based Reasoning (EWCBR 2000); LNAI 1898* (pp. 210–221). Berlin: Springer. <http://hdl.handle.net/1860/2690>
70. Weber, R., Aha, D. W., Branting, L. K., & Lucas, J. R. (2000). Active Case-Based Reasoning for Lessons Delivery Systems. In *Proceedings of the Thirteenth International Florida Artificial Intelligence Research Society Conference (FLAIRS 2000)* (pp. 170–174). Menlo Park CA: AAAI Press. <http://hdl.handle.net/1860/2035>
71. Weber, R., Aha, D. W., Muñoz-Avila, H., & Breslow, L. A. (2000). An Intelligent Lessons Learned Process. In Z. W. Ras & S. Ohsuga (Eds.), *Foundations of Intelligent Systems: Proceedings of the Twelfth International Symposium (ISMIS 2000); LNAI 1932* (pp. 358–367). Berlin: Springer. <http://hdl.handle.net/1860/2037>
72. Weber, R. (1999). Intelligent Jurisprudence Research. In *Proceedings of the Seventh International Conference on Artificial Intelligence and Law (ICAIL 99)* (pp. 164–172). New York: ACM Press. <http://hdl.handle.net/1860/2048>

73. Camargo, K. G., Weber, R., Thé, M. A. L., Vendrúsculo, J. F., Jr., Martins, A., & Barcia, R. M. (1999). Inteligência Artificial Aplicada à Nutrição na Prevenção e Tratamento de Doenças Crônicas e Degenerativas. In *Proceedings of the First Fórum Paulista de Pesquisa em Nutrição Clínica*. São Paulo, Brazil: Sociedade Brasileira de Nutrição Parenteral e Enteral (GANEP/SBNPE).
74. Camargo, K. G., Weber, R., Thé, M. A. L., Vendrúsculo, J. F., Jr., Martins, A., & Barcia, R. M. (1999). Inteligência Artificial em Nutrição Clínica. In *Proceedings of the First Latin American Conference of Human Nutrition*.
75. Thé, M. A. L., Bell, R. C., Camargo, K. G., Weber, R., Martins, A., & Barcia, R. M. (1999). Case-Based Reasoning for Nutrition Consulting. In R. Ellis, M. Moulton & F. Coenen (Eds.), *Applications & Innovations in Intelligent Systems VII: Proceedings of ES99, the Nineteenth SGES International Conference on Knowledge Based Systems and Applied Artificial Intelligence* (pp. 180–190). Berlin: Springer.
76. Weber-Lee, R., Barcia, R. M., da Costa, M. C., Rodrigues Filho, I. W., Hoeschl, H. C., Bueno, T. C. D'A., et al. (1997). A Large Case-Based Reasoner for Legal Cases. In D. B. Leake & E. Plaza (Eds.), *Case-Based Reasoning Research and Development: Proceedings of the Second International Conference on Case-Based Reasoning (ICCBR 1997)*; LNAI 1266 (pp. 190–199). Berlin: Springer. <http://hdl.handle.net/1860/2675>
77. Weber-Lee, R., Barcia, R. M., Pacheco, R. C., Martins, A., Hoeschl, H. C., Bueno, T. C. D'A., et al. (1997). Representing Cases from Texts in Case-Based Reasoning. In *Proceedings of the Third International Conference of Industrial Engineering and XVII ENEGEP*. <http://hdl.handle.net/1860/2682>
78. Weber-Lee, R., Pacheco, R. C., Martins, A., & Barcia, R. M. (1996). Using Typicality Theory to Select the Best Match. In I. Smith & B. Faltings (Eds.), *Advances in Case-Based Reasoning Research and Development: Proceedings of the Third European Workshop on Case-Based Reasoning (EWCBR-96)*; LNAI 1168 (pp. 445–459). Berlin: Springer. <http://hdl.handle.net/1860/2049>
79. Weber-Lee, R., Martins, A., Pacheco, R. C., & Barcia, R. M. (1996). Design of Fuzzy Cash Flows Applying Most Typical Values to a Case-Based Reasoner Outcome. In *Proceedings of the Third Congress of the International Association for Fuzzy-Set Management and Economics*. <http://hdl.handle.net/1860/2060>
80. Weber-Lee, R., Martins, A., Pacheco, R. C., & Barcia, R. M. (1996). The Integration of an Expert System and a Case-Based Reasoner in the Financial Environment. In *Proceedings of the Second International Conference of Industrial Engineering and Sixteenth National Congress of Production Engineering (ENEGEP)*. <http://hdl.handle.net/1860/2668>
81. Pacheco, R. C., Martins, A., Weber-Lee, R., & Barcia, R. M. (1996). Modeling Prior Knowledge in Radial Basis Function Networks. In *Proceedings of the Second International Conference of Industrial Engineering and Sixteenth National Congress of Production Engineering (ENEGEP)*.
82. Martins, A., Pacheco, R. C., Weber-Lee, R., & Barcia, R. M. (1996). Integrating Expert Networks and CBR in a Hybrid Architecture to Analyze the Financial Health of a Firm. In *Proceedings of the Second International Conference of Industrial Engineering and Sixteenth National Congress of Production Engineering (ENEGEP)*.

83. Martins, A., Weber-Lee, R., Pacheco, R. C., & Barcia, R. M. (1996). The Use of Fuzzy Integrals as a CBR Metric of Similarity: An Application to Cash Flow Forecasting. In *Proceedings of the Third Congress of the International Association for Fuzzy-Set Management and Economics*.
84. Pacheco, R. C., Martins, A., Weber-Lee, R., & Barcia, R. M. (1996). A Fuzzy Hybrid System for Supporting Financial Analysis. In *Proceedings of the Third Congress of the International Association for Fuzzy-Set Management and Economics*. <http://hdl.handle.net/1860/2676>
85. Weber-Lee, R., Barcia, R. M., & Khator, S. K. (1995). Case-Based Reasoning for Cash Flow Forecasting using Fuzzy Retrieval. In M. Veloso & A. Aamodt (Eds.), *Case-Based Reasoning Research and Development: Proceedings of the First International Conference on Case-Based Reasoning (ICCBR-95); LNAI 1010* (pp. 510–519). Berlin: Springer. <http://hdl.handle.net/1860/2679>
86. Pacheco, R. C., Martins, A., Weber-Lee, R., Barcia, R. M., & Khator, S. K. (1995). A Hybrid Intelligent System to Diagnose and Indicate Solutions to Financial Problems. In *Proceedings of the First International Conference of Industrial Engineering (ENEGEP/95)* (Vol. 3, pp. 1858–1862). <http://hdl.handle.net/1860/2695>
87. Martins, A., Pacheco, R. C., Weber-Lee, R., Barcia, R. M., & Khator, S. K. (1995). Supporting Working Capital Decisions through Fuzzy Analysis. In *Proceedings of the First International Conference of Industrial Engineering (ENEGEP/95)* (Vol. 3, pp. 1879–1884). <http://hdl.handle.net/1860/2691>
88. Weber-Lee, R., Viali, L., Pacheco, R. C., Martins, A., Barcia, R. M., & Khator, S. K. (1995). Object Oriented Analysis and Programming for a Working Capital Management System. In *Proceedings of the IEEE/IAFE 1995 Computational Intelligence on Financial Engineering (CIFEr)*. Los Alamitos CA: IEEE Press. <http://hdl.handle.net/1860/2667>
89. Weber, R., Gauthier, F. O., & Barcia, R. M. (1993). Expert System for Credit Analysis: A Prototype. In *Proceedings of the XIII National Meeting of Industrial Engineering and I Latin American Conference of Industrial Engineering*. <http://hdl.handle.net/1860/2673>
90. Pacheco, R. C., Barcia, R. M., Martins, A., Montenegro, F., Weber-Lee, R., & Kawahara, A. A. (1993). Treatment of Imprecision in a Working Capital Decision Support System. In *Proceedings of the First European Congress on Fuzzy and Intelligent Technologies*. Aachen: Eurogress.

Refereed Workshop and Symposium Papers

91. Jakob Michael Schoenborn, Rosina O. Weber, David W. Aha, Jorg Cassens, Klaus-Dieter Althoff. Opportunities and Challenges of Explainable Case-Based Reasoning. Accepted to the AAAI Workshop in Explainable Agency.
92. Johs, A. J., Agosto, D., & Weber, R. O. (2021). Qualitative Investigation in Explainable Artificial Intelligence: A Bit More Insight from Social Science. arXiv:2011.07130. Accepted to the AAAI Workshop in Explainable Agency.
93. Weber, R. O., Haolin Hong, Prateek Goel. Explaining Citation Recommendations: Abstracts or Full Texts? In IJCAI 2019 Explainable AI Workshop. <https://sites.google.com/view/xai2019/home>

94. Johs, A. J., Lutts, M., & Weber, R. O. (2018). Measuring explanation quality in XCBR. In M. Minor (Ed.), ICCBR 2018: Workshop Proceedings of the 26th International Conference on Case-Based Reasoning (pp. 75-83). Cham, Switzerland: Springer International Publishing AG
95. Duarte, K., Weber, R., Pacheco, R. C. S.: Case-Based Comparison of Career Trajectories. In: A Coman and S Stelios Kapetanakis (eds): Proceedings of the ICCBR 2016 Workshops, RATIC 2016: Workshop on Reasoning about Time in CBR. Atlanta, Georgia, Oct 30 to Nov 02 (2016)
96. Richter, M. M. & Weber, R. O. (2012) From Texts, Images, and Data to Attribute Based Case Representation. 12th Industrial Conference on Data Mining ICDM 2012 (MLDM 2012). Springer:Berlin.
97. Gunawardena, S. and Weber R. O. (2012). Reasoning with organizational case bases in the absence of negative exemplars. In: L Lamontagne, J A Recio-Garcia (eds): Proceedings of the ICCBR 2012 Workshops. Lyon, France, 3-6 Sept 2012. p. 35-44. <http://hdl.handle.net/1860/4148>
98. Craig MacDonald, Erik Poole, Rosina Weber (2008). Users as Teachers and Learners: A Framework for Using Social Classification in a Knowledge Repository of Web-based Learning Materials. Proceedings of the Workshop on Integrating taxonomies and Folksonomies for Enhanced Knowledge Navigation at Practical Aspects of Knowledge Management, 21st-23rd November 2008, Yokohama, Japan.
99. Craig MacDonald, Rosina Weber, Michael Richter (2008). Case Base Properties: A First Step. Workshop Proceedings from the Ninth European Conference on Case-Based Reasoning Workshop Program, ECCBR 2008, Sep 1st-4th, Trier, Germany (<http://www.wi2.uni-trier.de/eccbr08>). Workshop on Uncertainty and Knowledge Discovery (<http://www.mathematik.uni-marburg.de/~kebi/ws-eccbr-08/>) Unpublished. <http://hdl.handle.net/1860/3668>
100. Weber, R., Waldstein, I., Deshpande, A., & Proctor, J. M. (2005). Integrated Approach to Detect Inconspicuous Content. In K.-D. Althoff & A. Dengel (Eds.), *Proceedings of the Third Biennial Conference on Professional Knowledge Management: Experiences and Visions* (WM 2005) (pp. 281–286).
101. Proctor, J. M., Waldstein, I., & Weber, R. (2005). Identifying Facts for TCBR. In R. Weber, L. K. Branting & S. Brüninghaus (Eds.), *Workshop Proceedings from the Sixth International Conference on Case-Based Reasoning*, Workshop on Textual Case-Based Reasoning (pp. 150–159). <http://hdl.handle.net/1860/2041>
102. Wu, D., Weber, R., & Abramson, F. (2004). A Case-Based Framework for Leveraging NutriGenomics Knowledge and Personal Nutrition Counseling. In I. Bichindaritz, C. Marling, P. Gervás & K. M. Gupta (Eds.), *Workshop Proceedings from the Seventh European Conference on Case-Based Reasoning*, Workshop on CBR in the Health Sciences. <http://hdl.handle.net/1860/2045>
103. Weber, R. (2003). Proactive Knowledge Distribution for Agile Processes. In Proceedings of the Twelfth IEEE International Workshop on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE 2003) (pp. 338–339). Los Alamitos, CA: IEEE Computer Society. <http://hdl.handle.net/1860/2022>

104. Weber, R., Aha, D. W., & Becerra-Fernandez, I. (2000). Categorizing Intelligent Lessons Learned Systems. In D. W. Aha & R. Weber (Eds.), *Intelligent Lessons Learned Systems: Papers from the AAAI 2000 Workshop* (Technical Report WS-00-03) (pp. 63–67). Menlo Park, CA: AAAI Press. <http://hdl.handle.net/1860/2040>
105. Camargo, K. G., Thé, M. A. L., Weber, R., Martins, A., & Barcia, R. M. (1998). Designing Nutritional Programs with Case-Based Reasoning. In *Proceedings of the Sixth German Workshop on Case-Based Reasoning: Foundations, Systems, and Applications* (pp. 141–147). <http://hdl.handle.net/1860/2688>
106. Castro, J., Peres, S., Thacholan, A., Weber, R., Martins, A., Bastos, L., et al. (1998). A Hybrid System for Route Planning. In *Proceedings of the AAAI-98 Spring Symposium on Multimodal Reasoning*.
107. Cruz, F. da S., Notare, M., Weber-Lee, R., Martins, A., & Barcia, R. M. (1998). Using Case-Based Reasoning in an Intelligent Management System. In *Proceedings of the International Symposium on the Engineering of Intelligent Systems* (EIS 98).
108. Gresse von Wangenheim, C., Ramos, A., Althoff, K.-D., Weber, R., Martins, A., & Barcia, R. M. (1998). Case-Based Reasoning Approach to Reuse of Experiential Knowledge in Software Measurement Programs. In *Proceedings of the Sixth German Workshop on Case-Based Reasoning: Foundations, Systems, and Applications*. <http://hdl.handle.net/1860/2694>
109. Heinisch, R., Weber, R., Martins, A., & Barcia, R. M. (1998). Representing Medical Decision Making Strategies in a CBR System. In *Proceedings of the Sixth German Workshop on Case-Based Reasoning: Foundations, Systems, and Applications*.
110. Weber, R., Martins, A., & Barcia, R. M. (1998). On Legal Texts and Cases. In M. Lenz & K. Ashley (Eds.), *Textual Case-Based Reasoning: Papers from the AAAI-98 Workshop* (Technical Report WS-98-12) (pp. 40–50). Menlo Park, CA: AAAI Press. <http://hdl.handle.net/1860/2051>
111. Weber, R., Martins, A., Mattos, E., Bueno, T. C. D'A., Hoeschl, H. C., Pacheco, R. C., et al. (1998). Reusing Cases to the Automatic Index Assignment from Textual Documents. In *Proceedings of the Sixth German Workshop on Case-Based Reasoning: Foundations, Systems, and Applications*.
112. Gomes, R., Pacheco, R. C., Martins, A., Weber, R., & Barcia, R. M. (1997). On-line Decision Support Fuzzy Systems: An Application to Product Pricing. In *Proceedings of the Annual Meeting of the North American Fuzzy Information Processing Society* (NAFIPS 97).
113. Schwartz, A., Barcia, R. M., Martins, A., & Weber-Lee, R. (1997). PSIQ – A CBR Approach to the Mental Health Area. In R. Bergmann & W. Wilke (Eds.), *Proceedings of the Fifth German Workshop on Case-Based Reasoning: Foundations, Systems, and Applications*.

Book Chapters before 2010

114. Weber, R. (2000). Inteligência Artificial: Técnicas e Metodologias para a Manipulação do Conhecimento Textual. In A. J. Rover (Ed.), *Direito, Sociedade e Informática: Limites e Perspectivas da Vida Digital* (pp. 215–230). Florianópolis: Fundação Boiteux.

115. Weber, R. & Kaplan, R. (2003). Knowledge-Based Knowledge Management. In R. Jain, A. Abraham, C. Faucher & B. J. van der Zwaag (Eds.), *Innovations in Knowledge Engineering* (Vol. 4, pp. 151–172). Adelaide: Advanced Knowledge International Pty Ltd

Edited Volumes

116. Miller, T, Weber, R.O., Magazzeni, D. (2019). Proceedings of the IJCAI 2019 Workshop on Explainable Artificial Intelligence (XAI). 11 August, 2019. Macau, China. https://drive.google.com/file/d/1ma5wilaj31A0d5KC4I2fYaTC_Lqm_d9X/view
117. Leake, D.B., Smyth, B., Weber, R. O. (2015). Guest editor's introduction: special issue on case-based reasoning. *Journal of Intelligent Information Systems*. DOI 10.1007/s10844-015-0380-5
118. Weber, R., Michael M. Richter Guest Editors. Special Issue from the Practical Aspects of Knowledge Management 2010 Conference. *International Journal of Knowledge Management*. July-September 2011, Vol. 7, No. 3
119. Eyke Hüllermeier, Michael M. Richter, and Rosina Weber (Eds.) Uncertainty and Fuzziness in Case-Based Reasoning. In David C. Wilson and Deepak Khemani (Eds.) ICCBR'07 the Seventh International Conference on Case-Based Reasoning Workshop Proceedings, pp. 5-78. Available online: http://www.ischool.drexel.edu/faculty/rweber/Wilson_Khemani_wksp_proc.pdf
120. Weber, R. O., Branting, L. K., & Brüninghaus, S. (Eds.). (2005). Sixth International Conference on Case-Based Reasoning Workshop Proceedings, Workshop on Textual Case-Based Reasoning.
121. Richter, M. M., Holz, H., Maximini, R., Stahl, A., Weber, R., & Brüninghaus, S. (Eds.). (2005). Sixth International Conference on Case-Based Reasoning Workshop Proceedings, Workshop on Similarities – Processes – Workflows.
122. Weber, R., & Gresse von Wangenheim, C. (Eds.). (2001). Case-Based Reasoning: Papers from the Workshop Program at ICCBR 2001 (Technical Note AIC-01-003). Washington DC: Naval Research Laboratory, Navy Center for Applied Research in Artificial Intelligence.
123. Aha, D. W., & Weber, R. (Eds.). (2000). Intelligent Lessons Learned Systems: Papers from the AAI Workshop (Technical Report ws-00-03). Menlo Park CA: AAI Press.
124. Weber, R. (Ed.). (1999). *Opinio* (Vol. 2). Canoas: ULBRA Publishing.

Invited (Non-Refereed) Journal Articles

125. Weber, R. (1999). Administração do Conhecimento Jurisprudencial (Managing Jurisprudence Knowledge). *Opinio*, 2, 17-31.
126. Weber-Lee, R., Barcia, R. M., Gauthier, F. O., & Tcholakian, A. B. (1995). Sistema Experto Difuso para Analisis de Credito. *Información Tecnológica*, 6(6), 65–70.

Dissertation and Thesis

127. Weber, R. (1998). *Intelligent Jurisprudence Research*. Unpublished Doctoral Dissertation, Federal University of Santa Catarina, Florianópolis, Brazil.

128. Weber, R. (1993). *Sistema Especialista Difuso para Analise de Credito (Fuzzy Expert System for Credit Analysis)*. Unpublished Master's Thesis (in Portuguese), Federal University of Santa Catarina, Florianópolis, Brazil.

Published Short Papers presented as Posters

129. Black, A. E.; Weber, R. O.; Zelenkauskaitė, A. (2016). Method to Validate Word Sense Disambiguation for Big Data. In Zdravko Markov and Ingrid Russell (eds). Proceedings of the Twenty-Ninth International Florida Artificial Intelligence Research Society Conference, pp. 703. Palo Alto, CA: AIII Press.
130. Gunawardena, S., Weber, R., & Agosto, D. E. (2013). Learning the Effect of Faculty Rank and Institution on Research Outcomes for Recommender System Design. ASIST.
131. Weber, R. O. & Gunawardena, S. (2008). The CAMRA Knowledge Management Approach. Poster presented at The Joint U.S. Environmental protection Agency and Department of Homeland Security Conference on Real World Applications and Solutions for Microbial Risk Assessment. Bethesda North Marriott Hotel and Conference Center, North Bethesda, Maryland. April 8-10, 2008.
132. Gunawardena, S., MacDonalds, C., & Weber, R. O. & (2008). Discovering Optimal search Term Cardinality. Poster presented at The Joint U.S. Environmental protection Agency and Department of Homeland Security Conference on Real World Applications and Solutions for Microbial Risk Assessment. Bethesda North Marriott Hotel and Conference Center, North Bethesda, Maryland. April 8-10, 2008. Abstracts available online at: <http://www.scgcorp.com/epahomelandsec/abstracts.asp>

Other Non-Refereed

133. Tim Miller, Rosina Weber, Daniel Magazzeni (2020). 2019 IJCAI XAI Workshop Report. AI Magazine, Spring 2020, 103.
134. Weber, R. and Richter, Michael M. (2007) Report on the Seventh International Conference on Case-based reasoning. AI Magazine, Winter 2007, pp. 137-138.
135. Weber, R. (1998). Pesquisa Jurisprudencial Inteligente. In Proceedings of the First International Symposium on Intellectual Property, Information, and Ethics.
136. Weber, R., Aha, D.W., Muñoz-Avila, H., & Sandhu, N. (2001). *Lesson Elicitation: Towards Effective Knowledge Management Frameworks (Technical Report 01-002)*. Washington DC: Naval Research Laboratory, Navy Center for Applied Research in Artificial Intelligence.

Teaching

The next pages list courses taught, my participation in dissertation and thesis committees, and students advised and mentored.

Courses taught and number of sections

Course taught	Level	Times taught
Senior Project	Undergrad	12
Artificial Intelligence	Undergrad	14
Artificial Intelligence	Graduate	13
Systems Analysis	Undergrad	4
Software Project Management	Undergrad	11
Requirements Engineering & Management	Graduate	9
Knowledge-based systems	Graduate	12

Advising

Doctoral Students Graduated – Committee Chair

- **Alan Black**, College of Information Science & Technology, Drexel University, Graduation May 2018.
- **Ilya Waldstein**, College of Information Science & Technology, Drexel University, Graduation, December 2013.
- **Sidath Gunawardena**, College of Information Science & Technology, Drexel University. Graduation, May 2013.

Doctoral Students Graduated – Co-Advisor in External Programs

- **Kedma Duarte**. Advisor: Roberto Pacheco, Graduate Program in Knowledge and Management Engineering. Department of Knowledge Engineering. Federal University of Santa Catarina, Brazil, Graduation November 2017.

Doctoral Dissertation Committee Chair

- **Prateek Goel**, College of Computing and Informatics, Information Studies, Drexel University, Graduation expected, AY 2023.
- **Meaghan Lutts**, College of Computing and Informatics, Information Studies, Drexel University, Graduation expected, AY 2023.
- **Adam Johs**, College of Computing and Informatics, Information Studies, Drexel University, Graduation expected, AY 2022.
- **Sonia Pascua**, College of Computing and Informatics, Information Studies, Drexel University, Graduation expected, AY 2024.

Doctoral Dissertation Committee Member

- **Hoda Nikpour**. Advisor: Agnar Aamodt. Norwegian University of Science and Technology.
- **Larissa M F Pereira** Advisor: Roberto Pacheco, Graduate Program in Knowledge and Management Engineering. Department of Knowledge Engineering. Federal University of Santa Catarina, Brazil,
- **Shideh Amiri**, Advisor: Simi Hoque, Civil, Architecture and Environmental Engineering, Drexel University.
- **Flavio Ceci**. Advisor: Alexandre Leopoldo Gonçalves, Graduate Program in Knowledge and Management Engineering. Department of Knowledge Engineering. Federal University of Santa Catarina, Brazil. Graduation, Aug 2015.
- **George Abraham**. Advisor: Mike Atwood, College of Information Science & Technology, Drexel University. Graduated in October 2011.
- **Yin Huang**, Advisor: Chuck Haas, Civil, Architecture and Environmental Engineering, Drexel University. Graduated in August 2010.
- **Ke Xu**. Advisor: Hector Munoz, Computer Science, Lehigh University. Graduated in August 2006.
- **Murat Cakir**. Advisor: Gerry Stahl, College of Information Science & Technology, Drexel University, Graduated.

Graduate Master's Theses Supervised

- **Katia Gravanich Camargo**, Production Engineering, Federal University of Santa Catarina, Brazil. Concluded in December 1998.
- **Gerson Volney Lagemann**, Production Engineering, Federal University of Santa Catarina, Brazil. Concluded in September 1998.

Graduate Master's Theses Committee

- **Jonathan Rubin**, Department of Computer Science, Faculty of Science, The University of Auckland, New Zealand, advisor Ian Watson.

Undergraduate Bachelor's Theses Supervised

- **Eduardo Mattos**, Computer Science, University of the Valley of Itajai, SC, Brazil. Concluded in July 1997.
- **Marcelo E de Oliveira**, Computer Science, University of the Valley of Itajai, SC, Brazil. Concluded in December 1997.

Research Experience Mentoring

Haolin Hong, Drexel University, Computer science alumni class of 2017.

Spring-Summer 2017/18, Fall-Winter 2018/19.

Prateek Goel, Drexel University, Electrical Engineering Master's class of 2016.

Fall-Winter 2018/19.

Jianfei Li, Drexel University, Computer science alumni class of 2017.

Fall-Winter research experience, 2017/18.

Kent Huang, Drexel University, Computer Science major, Summer research experience, 2017.

Tayane Fogacia Peixoto, Federal University of Pelotas, RS, Brazil. 2015 Summer internship.

Luiz Antonio Martinazzo, Federal University of Pelotas, RS, Brazil. 2015 Summer internship.

Service

The next pages list my service contributions to scientific communities, university, college, and department.

Services to Scientific Community

Advisory Board

Advisory Board member for the International Conference on Case-Based Reasoning 2021

Program Chair

ICCBR 2020

XAI Workshop at AAAI2021

XAI Workshop at IJCAI2020, 2021

ICCBR 2014 Doctoral consortium chair

ICCBR 2013 Doctoral consortium, co-chaired with Thomas Roth-Berghofer

ECCBR 2008 Workshop on uncertainty and knowledge discovery, co-chaired with co-chaired with Eyke Hüllermeier, Michael M. Richter, Kerstin Bach, and Miltos Petridis

ICCBR 2007 Program, co-chaired with Michael Richter

ECCBR 2006 Workshop on uncertainty and fuzziness in case-based reasoning, co-chaired with Eyke Hüllermeier and Michael M. Richter

ICCBR 2005 Workshop on similarities, processes, workflows, co-chaired with Richter, M. M., Holz, H., Maximini, R., Stahl, A., and Brüninghaus, S.

ICCBR 2005 Workshop on textual Case-Based Reasoning, co-chaired with Branting, L. K., and Brüninghaus, S.

FLAIRS 2003 Chair of the special tracks program

FLAIRS 2002 Chair of the special tracks program

FLAIRS 2001 CBR Special Track Inaugural Program Chair.

ICCBR 2001 Workshops program, co-chaired with C. Gresse von Wangenheim

AAAI 2000 Workshop on Intelligent Lessons Learned Systems, co-chaired with David W. Aha. Technical Report WS-00-03. Menlo Park CA: AAAI Press.

MIDCAR@AAAI2021 <http://www.pages.drexel.edu/~rw37/midcar2021/>

MIDCAR@AAAI2020 <http://www.pages.drexel.edu/~rw37/midcar/index.html>

I proposed a diversity event for mid-career AAAI members. I invited Karen Myers, from SRI, prepared the event, created a website, publicized it, and held the event at AAAI2020. The event had an average of 15-16 attendees with a total above 20. The event was attended by AI main names like Yolanda Gil, AAAI president at the time, and Barbra Grosz.

A summary of the main takeaways from the event was shared with all attendees.

Program Committees Since 2010

Conferences	Years participated
ICCBR International Conference on Case-Based Reasoning Advisory Committee Board	2021
IJCAI-PRICAI 2020: Survey Track	2021
AAAI Conference on Artificial Intelligence Senior Track	2021, 2020, 2019
ICCBR International Conference on Case-Based Reasoning	2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
FLAIRS CBR Special Track on CBR	2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020
ICAART International Conference on Agents and Artificial Intelligence	2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019
IUI	2020, 2021
FLAIRS Florida Artificial Intelligence Research Society Conference	2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2021
CIKI International Conference on Knowledge and Innovation	2015, 2016
GCAI Global Conference on Artificial Intelligence	2015
ASIST Annual Meeting of the Association for Information Science & Technology	2015
AAAI Conference on Artificial Intelligence	2014, 2021
KMIS International Conference on Knowledge Management and Information Sharing	2013, 2014
IJCAI	2013
iConference	2013, 2014
Grace Hopper	2020
CMAI 2020: 1st Workshop on Conceptual Modeling Meets Artificial Intelligence and Data-Driven Decision Making	2020

Editorial Positions

- International Journal of Hybrid Intelligent Systems
- Outstanding reviewer. Knowledge-Based Systems. Achieved: September 2017

Invited Reviewer: Journals

Artificial Intelligence, Knowledge-based systems; Künstliche Intelligenz; Applied Artificial Intelligence (AAI); Int. J. of Human Factors and Ergonomics, Data Technologies and Applications; Applied Intelligence: The International Journal of Artificial Intelligence, Neural Networks, and Complex Problem-Solving Technologies; Decision Support Systems (DSS); European Journal of Information Systems (EJIS); German Journal on Artificial Intelligence: Special Issue on Knowledge Management; IEEE Intelligent Systems & their Applications; IEEE Transactions on Knowledge and Data Engineering; International Journal of Human-Computer Studies; International Journal of Hybrid Intelligent Systems (IJHIS); International Journal of Pattern Recognition and Artificial Intelligence (IJPRAI); International Journal of Smart Engineering System Design (IJSESD); International Journal on Artificial Intelligence Tools (IJAIT); Journal of Artificial Intelligence Research (JAIR); Journal of Intelligent Information Systems (JIIS)

Invited Reviewer: Panels

National Science Foundation (NSF); LACCIR Federation (laccir.org) Latin American and Caribbean Collaborative ICT Research

Associations

AAAI: American Association for Artificial Intelligence

Women in AI

Service to Committees at Drexel University

Anti-Racism Workforce, co-chair	2020/21
Senate Committee on Academic Affairs	2020/21
Blue-Gold Fellowships	2019/20
Senate Committee on Academic Affairs	2019/20
Anti-Racism Workforce, co-chair	2019/20
Fullbright Committee	2013/14
Drexel Charrette # 4 co-organizer and presenter	2013/14
Drexel Charrette # 3 co-organizer and presenter	2013/14
Drexel Charrette events leading organizer	2013/14
Drexel Charrette # 1 leading organizer	2013/14
Drexel Charrette events committee member	2012/13
Drexel Charrette # 3 leading organizer	2012/13
Visit to Brazil with Drexel's President John Fry	2012/13
Confidential committee	2011/12
Research review committee	2008/09
Research review committee	2007/08
Research review committee	2006/07
Research review committee	2005/06
Research Day Judge	2005/06
Research Day Judge	2004/05
Research review committee	2004/05
Research review committee	2003/04
Budget Planning and Development	2002/03
Research Day Judge	2002/03

Service to Committees at the College of Computing and Informatics

Curriculum Committee	2020/21
CCI Faculty Caucus	2014/15
Senior Design Competition Judge	2014/15

Service to Committees at the Department of Information Science

UG Curriculum Committee	2020/21
Doctoral Committee	2019/20
Doctoral Committee	2018/19
Search Committee	2018/19
BSIS committee	2018/19
Doctoral Committee	2016/17
Search Committee	2016/17
Tenure and Promotion Committee	2016/17
Scholarship committee	2016/17
Doctoral Committee	2015/16
Search Committee	2015/16
Tenure and Promotion Committee	2015/16
Doctoral Committee	2014/15

Service to Committees at the College of Information Science and Technology

All service is for the college, there were no departments

From 2001 to 2013, I served as chair of the Strategic Planning committee twice, and four times as a member.

I was twice chair of the Research Lecture committee, responsible to help bring out researchers around common topics.

I was also member of the search committee five times, and once or twice member of these other committees: Tenure and Promotion Committee, Curriculum committee, Doctoral committee, Nominating Committee, and Admissions and Financial Aid.