

CONTACT INFORMATION	Farmer School of Business, Room 3024 Miami University 800 E. High St. Oxford, OH, 45056, USA	arthur.carvalho@miamioh.edu www.arthurcarvalho.info +1 (513) 529 7162
RESEARCH INTERESTS	Artificial Intelligence, Blockchain, Business Analytics, Crowdsourcing, Decision Analysis, Decision Sciences, Decision Support Systems, Prediction Markets	
TEACHING INTERESTS	Artificial Intelligence, Big Data, Business Analytics, Blockchain, Computer Networks, Database Systems, Information Security, Introduction to Programming	
EDUCATION	Ph.D. in Computer Science University of Waterloo, Canada	August 2014
	M.Math. in Computer Science University of Waterloo, Canada	August 2010
	B.Sc. in Computer Science Federal University of Pernambuco, Brazil	December 2008
PROFESSIONAL EXPERIENCE	Dinesh & Ila Paliwal Innovation Chair Farmer School of Business Miami University, USA	July 2018 - Present
	Assistant Professor Farmer School of Business Miami University, USA	July 2016 - Present
	Assistant Professor Rotterdam School of Management Erasmus University Rotterdam, Netherlands	September 2014 - June 2016
	Research and Teaching Assistant David R. Cheriton School of Computer Science University of Waterloo, Canada	May 2009 - August 2014
	Data Mining Trainee Neurotech Ltda, Brazil	January 2008 - December 2008
	Software Engineering Intern Cemicro Informática, Brazil	September 2006 - November 2006
TEACHING AWARDS & HONORS	Outstanding Professor Award (Nominee) Miami University Associated Student Government	2021
	Student Recognition of Teaching Excellence Award The Office of the Provost, Miami University	2020
	Richard K. Smucker Teaching Excellence Awards (Winner) Farmer School of Business	2020

	Outstanding Professor Award (Nominee)	2019
	Miami University Associated Student Government	
	Richard K. Smucker Teaching Excellence Awards (Nominee)	2019
	Farmer School of Business	
	President's Medal¹	2019
	Miami University	
	Faculty Commendation (×6)	2017 - 2021
	Center for Teaching Excellence, Miami University	
	Professor of the Year Award (Nominee)	2016
	RSM Student Representation	
	Professor of the Year Award (Winner)	2015
	RSM Student Representation	
SCHOLARSHIP AWARDS & HONORS	David R. Cheriton Scholarship , University of Waterloo	2012 - 2014
	David R. Cheriton Scholarship , University of Waterloo	2010 - 2012
	Mathematics Graduate Experience Award , University of Waterloo	2010 - 2014
	AAMAS Student Scholarship , IFAMAAS	2011
	AAMAS Student Scholarship , IFAMAAS	2010
	Graduate Entrance Scholarship , University of Waterloo	2009
	PIBIC Scholarship , CNPq-Brazil	2007 - 2008
	PIBIC Scholarship , CNPq-Brazil	2006 - 2007
GRANT RECORD	FSB Summer Research Grant	2021
	Funding Agency: Farmer School of Business	
	Role: Sole applicant	
	Value: \$10,000	
	The Blockathon — A Blockchain Hackathon	2019
	Funding Agency: Farmer School of Business (Strategic Initiatives Fund)	
	Role: Sole applicant	
	Value: \$3,6000	
	The 2020 MUBC Blockchain Conference	2019
	Funding Agency: Miami University (Career Grant Award)	
	Role: Sole applicant	
	Value: \$2,000	
	Blockchain and Business Applications – A New FSB Course	2018
	Funding Agency: Farmer School of Business (Strategic Initiatives Fund)	
	Role: Sole applicant	
	Value: \$15,071	
	The 2019 MUBC Blockchain Conference	2018
	Funding Agency: Farmer School of Business (John and Winifred Dolibois Fund)	
	Role: Co-applicant (together with Patrick Young)	
	Value: \$3,200	

¹I was recognized and awarded a medal by Miami University's president during the One Miami Weekend event for my dedication to the students and university.

Hadoop Infrastructure for Big Data Analytics 2017
Funding Agency: Miami University (Student Technology Fee Proposal)
Role: Co-applicant (together with Dr. T. M. Rajkumar)
Value: \$84,000

A Study on the Strengths and Limitations of IBM Watson Analytics 2017
Funding Agency: Farmer School of Business (John and Winifred Dolibois Fund)
Role: Sole applicant
Value: \$2,400

REFEREED
JOURNAL
PUBLICATIONS

- [J1] Carvalho, A. and Karimi, M. “*Aligning the Interests of Newsvendors and Forecasters through Blockchain-Based Smart Contracts and Proper Scoring Rules,*” **Decision Support Systems**. Forthcoming.
- [J2] Moore, J. F., Carvalho, A., Davis, G. A., Abulhassan, Y., and Megahed, F. M. “*Seat Assignments with Physical Distancing in Single-Destination Public Transit Settings,*” **IEEE Access**, vol. 9, p. 42985 – 42993, 2021.
- [J3] Carvalho, A. “*Bringing Transparency and Trustworthiness to Loot Boxes with Blockchain and Smart Contracts,*” **Decision Support Systems**, vol. 144, 2021.
- [J4] Carvalho, A., Merhout, J. W., Kadiyala, Y., and Bentley II, J. “*When Good Blocks Go Bad: Managing Unwanted Blockchain Data,*” **International Journal of Information Management**, vol. 57, 102263, 2021.
- [J5] Pevec, D., Babic, J., Carvalho, A., Ghiassi-Farrokhfal, Y., Ketter, W., and Podobnik, V. “*A Survey-Based Assessment of How Existing and Potential Electric Vehicle Owners Perceive Range Anxiety,*” **Journal of Cleaner Production**, vol. 276, 122779, 2020.
- [J6] Silva, I., Rabelo, R. A. L., Rodrigues, J. J. P. C. , Solic, P., and Carvalho, A. “*A Preference-Based Demand Response Mechanism for Energy Management in a Microgrid,*” **Journal of Cleaner Production**, vol. 255, 120034, 2020.
- [J7] Carvalho, A. “*A Permissioned Blockchain-Based Implementation of LMSR Prediction Markets,*” **Decision Support Systems**, vol. 130, 113228, 2020.
- [J8] Carvalho, A., Sambhara, C., and Young, P. “*What the History of Linux Says About the Future of Cryptocurrencies,*” **Communications of the Association for Information Systems**, vol. 46., p. 18–29, 2020.
- [J9] Carvalho, A., Levitt, A., Levitt, S., Khaddam, E., and Benamati, J. “*Off-The-Shelf Artificial Intelligence Technologies for Sentiment and Emotion Analysis: A Tutorial on Using IBM Natural Language Processing,*” **Communications of the Association for Information Systems**, vol. 44, p. 918–943, 2019.
- [J10] Vroegindeweij, R. and Carvalho, A. “*Do Healthcare Workers Need Cognitive Computing Technologies? A Qualitative Study Involving IBM Watson and Dutch Professionals,*” **Journal of the Midwest Association for Information Systems**, vol. 6(1), p. 51–68, 2019.
- [J11] Carvalho, A., Dimitrov, S., and Larson, K. “*On Proper Scoring Rules and Cumulative Prospect Theory,*” **EURO Journal on Decision Processes**, vol. 6(3-4), p. 343–376, 2018.
- [J12] Pevec, D., Babic, J., Kayser, M. A., Carvalho, A., Ghiassi-Farrokhfal, Y., and Podobnik, V. “*A Data-Driven Statistical Approach for Extending Electric Vehicle Charging Infrastructure,*” **International Journal of Energy Research**, vol. 42, p. 3102–3120, 2018.

- [J13] Babic, J., Carvalho, A., Ketter, W., and Podobnik, V. “*Evaluating Parking Policies for Parking Lots Handling Electric Vehicles*,” **IEEE Access**, vol. 6(1), p. 944-961, 2018.
- [J14] Carvalho, A. “*On a Participation Structure that Ensures Representative Prices in Prediction Markets*,” **Decision Support Systems**, vol. 104, p. 13–25, 2017.
- [J15] Carvalho, A., Dimitrov, S., and Larson, K. “*Inducing Honest Reporting of Private Information in the Presence of Social Projection*,” **Decision**, vol. 4(1), p. 25–51, 2017.
- [J16] Carvalho, A. “*A Note on Sandroni-Shmaya Belief Elicitation Mechanism*,” **The Journal of Prediction Markets**, vol. 10(2), p. 14–21, 2016.
- [J17] Carvalho, A. “*An Overview of Applications of Proper Scoring Rules*,” **Decision Analysis**, vol. 13(4), p. 223–242, 2016.
- [J18] Carvalho, A., Dimitrov, S., and Larson, K. “*How Many Crowdsourced Workers Should a Requester Hire?*” **Annals of Mathematics and Artificial Intelligence**, vol. 78(1), p. 45–72, 2016.
- [J19] Carvalho, A. “*Tailored Proper Scoring Rules Elicit Decision Weights*,” **Judgment and Decision Making**, vol. 10(1), p. 86-96, 2015.
- [J20] Carvalho, A. and Larson, K. “*Sharing Rewards Among Strangers Based on Peer Evaluations*,” **Decision Analysis**, vol. 9(3), p. 253-273, 2012.

REFEREED
JOURNAL
SUBMISSIONS
UNDER REVIEW

- [UR1] Almeida, V. A. C. C., Râbelo, R. A. L., Carvalho, A., Rodrigues, J. J. P. C., and Solic, P. “*Aligning the Interests of Prosumers and Utilities through a Two-Stage Demand-Response Mechanism*,” submitted to **Journal of Cleaner Production**. Status: 2nd round of review.
- [UR2] Babic, J., Carvalho, A., Ketter, W., and Podobnik, V. “*A Data-Driven Approach to Managing Electric Vehicle Charging Infrastructure in Parking Lots*,” submitted to **Transportation Science**. Status: 1st round of review.
- [UR3] Carvalho, A. “*Are Sentiment Scores Reliable Explanatory Variables?*,” submitted to **IEEE Intelligent Systems**. Status: 1st round of review.
- [UR4] Grgic, D., Podobnik, V., and Carvalho, A. “*Deriving and Validating Emotional Dimensions from Textual Data*,” submitted to **Expert Systems with Applications**. Status: 1st round of review.

REFEREED BOOK
CHAPTERS

- [B1] Babic, J., Carvalho, A., Ketter, W., and Podobnik, V. “*Electricity Trading Agent for EV-enabled Parking Lots*,” **Agent-Mediated Electronic Commerce**. Series: Lecture Notes in Business Information Processing, vol. 271, Springer, p. 35-49, 2017.
- [B2] Carvalho, A., Dimitrov, S., and Larson, K. “*A Study on the Influence of the Number of MTurkers on the Quality of the Aggregate Output*,” **Multi-Agent Systems**. Series: Lecture Notes in Computer Science, vol. 8953, Springer International Publishing, p. 285-300, 2015.

- [C1] Carvalho, A. and Xu, J. “*Studies on the Accuracy of Ensembles of Cloud-Based Technologies for Sentiment Analysis,*” in **Proceedings of the 27th American Conference on Information Systems**, 2021.
- [C2] Carvalho, A. and Karimi, M. “*How Blockchain Can Bring Trust and Transparency to the Payment of Crowd Forecasters,*” in **Proceedings of the 41st International Conference on Information Systems**, 2020.
- [C3] Silva, I. R. S., Rabelo, R. A. L., Rodrigues, J. J. P. C., and Carvalho, A. “*A Multi-Objective Approach for Energy Management in a Microgrid Scenario,*” in **Proceedings of the 5th International Conference on Smart and Sustainable Technologies**, Split, Croatia, 2020.
- [C4] Carvalho, A and Harris, L. “*Off-the-Shelf Technologies for Sentiment Analysis of Social Media Data: Two Empirical Studies,*” in **Proceedings of the 26th American Conference on Information Systems**, USA, 2020.
- [C5] Pevec, D., Babic, J., Carvalho, A., Ghiassi-Farrokhfal, Y., Ketter, W., and Podobnik, V. “*Electric Vehicle Range Anxiety: An Obstacle for the Personal Transportation (R)evolution?*” in **Proceedings of the 4th International Conference on Smart and Sustainable Technologies**, Split, Croatia, 2019.
- [C6] Gilcrest, J. and Carvalho, A. “*Smart Contracts: Legal Considerations,*” in **Proceedings of the 2018 IEEE International Conference on Big Data**, p. 3277 – 3281, Seattle, USA, 2018.
- [C7] Jerdack, N., Dauletbek, A., Divine, M., Hult, M., and Carvalho, A. “*Understanding What Drives Bitcoin Trading Activities,*” in **Proceedings of the 2018 Annual Meeting of the Decision Sciences Institute**, p. 1864 – 1872, Chicago, USA, 2018.
- [C8] Carvalho, A. and Kroon, D. “*A Study on the Behavior of Crowd Workers when Reporting Forecasts under Proper Scoring Rules,*” in **Proceedings of the 24th American Conference on Information Systems**, New Orleans, USA, 2018.
- [C9] Pevec, D., Kayser, M. A., Babic, J., Carvalho, A., Ghiassi-Farrokhfal, Y., and Podobnik, V. “*A Computational Framework for Managing Electric Vehicle Charging Infrastructure,*” in **Proceedings of the 9th International Exergy, Energy and Environment Symposium**, p. 336-345, Split, Croatia, 2017.
- [C10] Carvalho, A. and Larson, K. “*A Consensual Linear Opinion Pool,*” in **Proceedings of the 23rd International Joint Conference on Artificial Intelligence**, p. 2518-2524, Beijing, China, 2013.
- [C11] Carvalho, A. and Larson, K. “*A Truth Serum for Sharing Rewards,*” in **Proceedings of the 10th International Conference on Autonomous Agents and Multiagent Systems**, p. 635-642, Taipei, Taiwan, 2011.
- [C12] Carvalho, A. and Oliveira, R. “*Reinforcement Learning for the Soccer Dribbling Task,*” in **Proceedings of the 2011 IEEE Conference on Computational Intelligence and Games**, p. 95-101, Seoul, South Korea, 2011.
- [C13] Carvalho, A. “*A Cooperative Coevolutionary Genetic Algorithm for Learning Bayesian Network Structures,*” in **Proceedings of the 13th Genetic and Evolutionary Computation Conference**, p. 1131-1138, Dublin, Ireland, 2011.
- [C14] Carvalho, A. and Larson, K. “*Sharing a Reward Based on Peer Evaluations,*” in **Proceedings of the 9th International Conference on Autonomous Agents and Multiagent Systems**, p. 1455-1456, Toronto, Canada, 2010.

- [C15] Oliveira, R., Adeodato, P., Carvalho, A., Viegas, I., Diego, C., and Ing-Ren, T. “A Data Mining Approach to Solve the Goal Scoring Problem,” in **Proceedings of the 22nd International Joint Conference on Neural Networks**, p. 2347–2352, Atlanta, USA, 2009.
- [C16] Carvalho, A. and Araujo, A. F. R. “Improving NSGA-II with an Adaptive Mutation Operator,” in **Proceedings of the 11th Genetic and Evolutionary Computation Conference**, p. 2697–2700, Montreal, Canada, 2009.

PROFESSIONAL PUBLICATIONS

- [P1] Carvalho, A. “Decision Analysis at Erasmus University Rotterdam,” **Decision Analysis Today**, vol. 33(3), p. 15, 2015.
- [P2] Carvalho, A., Dimitrov, S., and Larson, K. “The Output-Agreement Method Induces Honest Behavior in the Presence of Social Projection,” **ACM SIGecom Exchanges**, vol. 13(1), p. 77-81, 2014.

INVITED TALKS

- A Gentle Introduction to Bitcoin**
Miami University Alumni Engagement 2021
- Are Sentiment Scores Reliable Explanatory Variables?**
INFORMS Annual Meeting (Text Mining and Social Media Analytics Session) 2021
- Bringing Transparency and Trustworthiness to Loot Boxes with Blockchain and Smart Contracts**
EY Coffee & Blockchain meeting 2021
- What is Blockchain and Cryptocurrency?**
Miami University Blockchain Club 2019
- On Proper Scoring Rules and Cumulative Prospect Theory**
Miami University (Farmer School of Business) 2015
Kent State University (College of Business Administration) 2015
INFORMS Annual Meeting (Decision Analysis Society Sponsored Session) 2014
- Inducing Honest Behavior on Amazon’s Mechanical Turk**
Erasmus University (Rotterdam School of Management) 2014
University of Montana (Department of Computer Science) 2014

INVITED PANELS

- Teaching Effectiveness Workshop** 2020
Miami University (Farmer School of Business)
- An Interdisciplinary Examination of Blockchain Systems** 2019
Miami University Blockchain Conference

WORKSHOPS

- A Gentle Introduction to Ethereum: From Tokens to DeFi**
Universidade Federal do Piauí 2020

	A Gentle Introduction to Ethereum	
	Universidade Federal do Piauí	2020
	Miami University (ISA Seminar Series)	2020
	Annual Meeting of the Decision Sciences Institute	2019
CONFERENCE PRESENTATIONS (SPEAKER)	Off-the-Shelf Technologies for Sentiment Analysis of Social Media Data: Two Empirical Studies	
	26th American Conference on Information Systems	2020
	How Blockchain Can Bring Trust and Transparency to the Payment of Crowd Forecasters	
	41st International Conference on Information Systems	2020
	ECIS Blockchain Research eWorkshop	2020
	When Good Blocks Go Bad: Dealing with Unwanted Blockchain Data	
	2019 Annual Meeting of the Decision Sciences Institute	2019
	Understanding What Drives Bitcoin Trading Activities	
	2018 Annual Meeting of the Decision Sciences Institute	2018
	A Study on the Behavior of Crowd Workers when Reporting Forecasts under Proper Scoring Rules	
	24th American Conference on Information Systems	2018
	Should Prosumers Form Renewable Energy Cooperatives? A Case Study	
	Policy, Awareness, Sustainability and Systems (PASS) Workshop	2016
	Determining the Ideal Number of Crowd Workers Based on an Outlier Analysis of the Error Curve	
	2015 INFORMS Conference on Information Systems and Technology	2015
	How Many Crowd Workers Should a Requester Hire on Amazon Mechanical Turk?	
	INFORMS Annual Meeting	2015
	27th European Conference on Operational Research	2015
	A Study on the Influence of the Number of MTurkers on the Aggregate Output's Quality	
	12th European Conference on Multi-Agent Systems	2014
	INFORMS Advances in Decision Analysis	2014
	A Consensual Linear Opinion Pool	
	23rd Int'l Joint Conference on Artificial Intelligence	2013
	University of Waterloo Cheriton Research Symposium	2013
	On an Automated Market Maker with Price Convergence Guarantees	
	INFORMS Annual Meeting	2013
	A Truth Serum for Sharing Rewards	
	10th Int'l Conference on Autonomous Agents and Multiagent Systems	2011
	University of Waterloo Graduate Student Research Conference	2011

Reinforcement Learning for the Soccer Dribbling Task IEEE Conference on Computational Intelligence and Games	2011
On a Reliable Peer-Review Process University of Waterloo Cheriton Research Symposium	2011
A Cooperative Coevolutionary Genetic Algorithm for Learning Bayesian Network Structures 13th ACM Genetic and Evolutionary Computation Conference	2011
Improving NSGA-II with an Adaptive Mutation Operator 11th ACM Genetic and Evolutionary Computation Conference	2009
Sharing a Reward Based on Peer Evaluations 9th Int'l Conference on Autonomous Agents and Multiagent Systems	2009

TEACHING
EXPERIENCE

Farmer School of Business, Miami University

Independent Studies (B.Sc.)

- Number of sessions: 4
- Delivery mode: face-to-face

Business Analytics (B.Sc.)

- Number of sessions: 2
- Delivery mode: hybrid and online (synchronous)

Database Systems (B.Sc.)

- Number of sessions: 8
- Delivery mode: face-to-face, hybrid, and online (asynchronous)

Blockchain and Business Applications (B.Sc.)

- Number of sessions: 2
- Delivery mode: face-to-face

Managing Big Data (B.Sc./M.Sc.)

- Number of sessions: 7
- Delivery mode: face-to-face and online (synchronous)

Rotterdam School of Management, Erasmus University

Big Data and Business Analytics (M.Sc.)

- Number of sessions: 2
- Delivery mode: face-to-face

Applied Business Methods (B.Sc.)

- Number of sessions: 2
- Delivery mode: face-to-face

THESIS
SUPERVISION

Ph.D. in Computer Science, Universidade Federal do Piauí

Vitor Cortez

- Thesis: TBD
- Co-supervisor: Dr. Ricardo de Andrade

2021 - Present

Executive MBA, Rotterdam School of Management

- Vikas Sachar** 2015
- Thesis: *Advanced Analytics @ Scale*
- Industrial partner: *Unilever*
- Sander Barake** 2015
- Thesis: *KPN: Riding the Big Data Wave*
- Industrial partner: *Koninklijke KPN N.V. (KPN)*
- Tekin Mentes** 2015
- Thesis: *From SILOS to Synergy: Enabling Continuous Improvement in Performance Management through BICC*
- Industrial partner: *Acelity*

M.Sc. in Business Information Management, Rotterdam School of Management

- Vadim Galaktionov** 2015 - 2016
- Thesis: *On the Economic Value of Renewable Energy Cooperatives*
- Thanasis Zias** 2015 - 2016
- Thesis: *Sales Forecasting Methods in the Pharmaceutical Industry*
- Industrial partner: *Gerolymatos International*
- Masih Nassiri** 2015 - 2016
- Thesis: *Sustainable Mortgage Debt Recovery: A Myth?*
- Industrial partner: *ING*
- Shanise Abhelakh** 2015 - 2016
- Thesis: *The Added Value of Mobile Data in Transaction Monitoring*
- Industrial partner: *Deloitte and Bung*
- Oumaima Ouari** 2015 - 2016
- Thesis: *Waste Management and Marketing: A Customer-Centric Approach*
- Industrial partner: *L'Oréal*
- Martin Kayser** 2015 - 2016
- Thesis: *A Data-Driven Approach to Modeling Charging Station Utilization Levels by Plug-In Electric Vehicles Type Charging Behavior and Point of Interests*
- Meral Akkurt** 2015 - 2016
- Thesis: *Defining the Factors That Influence the Effective Use of Business Intelligence & Analytics*
- Industrial partner: *Microsoft*
- Thomas Gratzmüller** 2015 - 2016
- Thesis: *Analysis of the Influence of Health Awareness on Online Health Information Seeking and its Perceived Risks*
- Maxim Grgurevic** 2015 - 2016
- Thesis: *On the Validity of the Social Projection Assumptions in the Output Agreement Method*
- Dennis Huisman Sigcha** 2015 - 2016
- Thesis: *Distance-Oriented Linear Opinion Pools*
- Max van Hilten** 2015 - 2016
- Thesis: *The Interpretation of the General Data Protection Regulation by Dutch Data Intensive Start-ups*
- Industrial partner: *KPMG*

- Roxanne Vroegindewej** 2015 - 2016
 - Thesis: *Technology Adoption in the Healthcare Industry*
 - Industrial partner: *IBM*
- Luut Willen** 2014 - 2015
 - Thesis: *Are Dutch Leading B2B Industrial Manufacturing and Components Companies "Future-Proof"?*
 - Industrial partner: *Itelligence*
- Jeroen van Peer** 2014 - 2015
 - Thesis: *Reviewing Applications of Proper Scoring Rules*
- Bart van Hout** 2014 - 2015
 - Thesis: *The Crowd or the Past?*
- Denise Kroon** 2014 - 2015
 - Thesis: *A Study of the Effects of Proper Scoring Rules on Risk Neutrality when Stakes are Low*
- Bas Willemsen** 2014 - 2015
 - Thesis: *Can Crowds Make Reliable Predictions?*
- Kas Zuyderwijk** 2014 - 2015
 - Thesis: *Crowdsourcing Predictions*
- Esther Hundepool** 2014 - 2015
 - Thesis: *Risk and Trust Perception: Influences on the Willingness-To-Buy in Electronic Commerce in the Retail Industry*
 - Industrial partner: *PwC*
- Sebastian Buurman** 2014 - 2015
 - Thesis: *Do Scoring Rules Improve Forecast Accuracy in Prediction Markets? An Empirical Comparison of Two Markets*
- Mick van Elswijk** 2014 - 2015
 - Thesis: *Eliciting and Aggregating Private Information: Prediction Markets Vs. Proper Scoring Rules*
- Vlad Masek** 2014 - 2015
 - Thesis: *Recommendation Engines in the Digital Era: A Data-Driven Design*

THESIS READING AND COMMITTEE MEMBERSHIP External Ph.D. Committee Member

- Dario Pevec** 2018
 - Supervisor: Dr. Vedran Podobnik
 - Institution: Faculty of Electrical Engineering and Computing, University of Zagreb

Doctoral Qualifying Exam

- Demijan Grgić** 2019
 - Supervisor: Dr. Vedran Podobnik
 - Institution: Faculty of Electrical Engineering and Computing, University of Zagreb
- Hrvoje Vdović** 2019
 - Supervisor: Dr. Jurica Babic
 - Institution: Faculty of Electrical Engineering and Computing, University of Zagreb

Dario Pevec 2017
 - Supervisor: Dr. Vedran Podobnik
 - Institution: Faculty of Electrical Engineering and Computing, University of Zagreb

M.Sc. in Business Information Management, Rotterdam School of Management

Fiero Amier 2015 - 2016
 - Thesis: *The Role of Complexity and Stakes in Individual-Level Decision Making in Online Environments*
 - Supervisor: Dr. Rodrigo Belo

Amy Zhou 2015 - 2016
 - Thesis: *Does the Usage of Facebook and Blackboard Contribute to Your Performance and Integration?*
 - Supervisor: MSc. A.P. Simons

Nienke Hoogeveen 2015 - 2016
 - Thesis: *The Skills of online workers and the influence of fairness on performance*
 - Supervisor: Dr. Mark Boons

Spyros Lagkaditis 2014 - 2015
 - Thesis: *The Impact of Different Versions of Feedback on Household Energy Consumption in the Netherlands*
 - Supervisor: Dr. Dimitrios Tsekouras
 - Industrial partner: CGI

Tu Anh Thang 2014 - 2015
 - Thesis: *Identifying User Segments and Patterns in Dutch Driving Behavior*
 - Supervisor: Dr. Wolfgang Ketter

Derrick Dijkers 2014 - 2015
 - Thesis: *Using Electric Vehicles to Regulate Energy Markets: A Time Series Analysis*
 - Supervisor: M.Sc. Micha Kahlen

Fabian Lanz 2014 - 2015
 - Thesis: *Electric Vehicle User Behavior: Using Machine Learning to Predict Charging in Smart Energy Markets*
 - Supervisor: Dr. Ksenia Koroleva

ACADEMIC &
PROFESSIONAL
SERVICE

Advisory Boards

Ephycent Since 2021
 Virtual Blockchain Conference 2020
 OhioX Since 2019
 Cambridge Scholars Publishing (Decision Science domain) Since 2017

Editorial Boards

International Journal of Decision Support System Technology Since 2018
 International Journal of Business and Data Analytics Since 2017

Consulting Work & Collaboration with Industry

- Global Blockchain Business Council 2021
 - Partner of the Global Standards Mapping Initiative (GSMI) 2.0 fellows program.

- Cardinal Health 2020
- In a partnership between the Center for Analytics & Data Science (CADS) at Miami University and Cardinal Health, I led the development of a blockchain project to track drugs in the pharmaceutical supply chain.
- Red Line Editorial, Inc. 2018
- I worked with Red Line Editorial, Inc. as a content consultant for the book “Cryptocurrency,” written for grades 3 to 6 by Kate Conley.

Ad-Hoc Referee and Reviewer for Academic Journals

AIS Transactions on Human-Computer Interaction
 Communications of the Association for Information Systems
 Decision
 Decision Analysis
 Decision Support Systems
 Engineering Applications of Artificial Intelligence
 European Journal of Operational Research
 Environment, Systems and Decisions
 Human Computation
 IEEE Transactions on Systems, Man and Cybernetics: Systems
 Information Systems Research
 International Journal of Decision Support System Technology
 Journal of Artificial Intelligence Research
 Management Information Systems Quarterly
 Natural Computing
 Operations Research

Ad-Hoc Referee and Reviewer for Funding Agencies

Social Sciences and Humanities Research Council of Canada (SSHRC) 2018

Conference Program Chair

2016 Energy Informatics & Management 2016
 2015 Energy Informatics & Management 2015

Conference Program Committee (Role: Track Chair)

2018 Workshop on Blockchain and Smart Contract 2018

Conference Program Committee (Role: Reviewer)

27th Americas Conference on Information Systems 2021
 42nd International Conference on Information Systems 2021
 4th Annual Workshop on Applications of AI in the Legal Industry 2020
 41st International Conference on Information Systems 2020
 3rd Annual Workshop on Big Data Analytics in the Legal Industry 2019
 27th European Conference on Information Systems 2019
 2nd Annual Workshop on Big Data Analytics in the Legal Industry 2018
 24th Americas Conference on Information Systems 2018
 13th German Conference on Multiagent System Technologies 2015
 14th Int’l Conf. on Autonomous Agents and Multiagent Systems 2015
 17th Int’l Conf. on Principles and Practice of Multi-Agent Systems 2014
 6th Int’l Conf. on Adv. Cognitive Tech. and Applications 2014
 16th Int’l Conf. on Principles and Practice of Multi-Agent Systems 2013
 15th Int’l Conf. on Principles and Practice of Multi-Agent Systems 2012
 21st International Joint Conference on Artificial Intelligence 2011

UNIVERSITY SERVICE	Best Practices in Future Teaching Committee , Farmer School of Business 2021 Faculty Adviser , Miami University CyberSecurity Club 2020 - present Major/Minor Coord. Committee , Farmer School of Business 2019 - present Faculty Search Committee , Farmer School of Business Fall 2019 Technology Policies Committee , Farmer School of Business 2018, 2020 Strategic Technology Committee , Farmer School of Business 2018 - 2020 Faculty Adviser , Miami University Blockchain Club 2017 - present Faculty Search Committee , Farmer School of Business Fall 2017 STAR Seminar Series Organizing Committee , Miami University 2016 - 2017 Graduate Recruiting Committee , University of Waterloo 2013 - 2014 Global Representative Program , University of Waterloo 2013 - 2014 Computer Science Commons Committee , University of Waterloo 2011 - 2012
PROGRAMMING SKILLS	C/C++, Java, JavaScript (Node.js), Maple, Matlab, Python, R, Solidity, SQL, PL/SQL
INFORMATION SYSTEM TECHNOLOGIES	Blockchain (Algorand, Bitcoin, EOS, Ethereum, Multichain, and Hyperledger Fabric) Cloud Platforms (Amazon AWS, Google Cloud, IBM Cloud, Microsoft Azure) Relational databases (Oracle XE, MySQL) Document-oriented databases (MongoDB) Hadoop environment (HDFS, MapReduce, Sqoop, Hive, Spark) Statistical Software JMP Pro, SPSS Statistics
PROFESSIONAL CERTIFICATIONS AND CERTIFICATES	ICAgile Certified Professional , ICAgile 2019 Fundamentals of University Teaching , University of Waterloo 2013 Student Leadership Program , University of Waterloo 2012 Sun Certified Mobile Application Developer (SCMAD, Java 2 Platform) 2005 Sun Certified Programmer for the Java 2 Platform (SCJP, SE 1.4) 2005
LANGUAGE SKILLS	Portuguese (native) English (fluent) Spanish (intermediate)
REFERENCES	Available upon request.