

DR. FARSHAD BADIE

CURRICULUM VITAE



LinkedIn: <https://www.linkedin.com/in/farshad-badie>

ORCID: <https://orcid.org/0000-0003-1534-3332>

PROFESSIONAL SUMMARY

As an interdisciplinary scientist, I specialise in Human-Centred Artificial Intelligence, Logic, Learning Science, and Information Science. My work centers on conceptual modelling, cognitive and formal logic, and ontologies to advance knowledge representation and modelling in sociotechnical systems. As a learning designer and developer with expertise in personalised learning systems and student-centered education, I emphasise innovative approaches to cognitive science-based learning and tailored educational experiences. In business domains, I contribute to digital transformation, AI-driven strategic management, and change analysis.

EDUCATION

- *Ph.D. in Human-Centered Communication and Informatics (HCCI)*. Aalborg University, Denmark (**2014 - 2017**)
- *M.Sc. in Software Information Technology* (Specialised in *Information Systems*) (graded with honour; GPA: 4.82 / 5). University of Debrecen, Hungary (**2011 - 2013**)
- Basic Courses of *M.Sc. in Applied Mathematics*. Azad University (Tehran Central Branch), Tehran, Iran (**2009 - 2010**)
- *B.Sc. in Applied Mathematics*. Azad University (Tehran Central Branch), Tehran, Iran (**2002 - 2008**)
- *High School*, Mathematics and Physics. Dr. Hessabi School, Tehran, Iran (**1998 - 2002**)

WORK EXPERIENCE

ACADEMIC EXPERIENCES

(06.2024 - Present):

Dean of the Faculty of Computer Science and Informatics, Berlin School of Business and Innovation (BSBI), Berlin, Germany

- (03.2024 - Present):
GUS Research Fellow, Global University Systems
- (02.2022 - Present):
Lecturer & Postdoctoral Center Coordinator, Berlin School of Business and Innovation (BSBI), Berlin, Germany
- (02.2022 - Present):
Adjunct Professor, Concordia University Chicago (Colleges of ‘Business’ and ‘Theology, Arts, and Humanities’), USA
- (02.2022 - Present):
Adjunct Lecturer, University for the Creative Arts (UCA), Farnham, UK
- (02.2022 - Present):
Adjunct Professor, Università Telematica Internazionale Uninettuno, Italy
- (07.2021 - Present):
Blended Learning Associate Lecturer & Dissertation Supervisor, School of Computing, Arden University, Germany and UK
- (10.2024):
Guest Professor, GL Bajaj Institute of Management and Research, Greater Noida, India
- (04.2024 - 06.2024):
Head of Research (and DBA Advisor), Berlin School of Business and Innovation (BSBI), Berlin, Germany
- (01.2023 - 03.2024):
Vice-Dean of the Faculty of Computer Science and Informatics, Berlin School of Business and Innovation (BSBI), Berlin, Germany
- (2022, Summer:)
Invited Visiting Lecturer, Faculty of Informatics, Christian-Albrecht University of Kiel, Kiel, Germany
- (10.2022 - 10.2023):
Visiting Researcher; Research Group ‘*The Logic of Time and Modality*’ (under ‘*Human Centered Science and Digital Technology*’ section), Aalborg University, Denmark
- (10.2017 - 10.2023):
Visiting Postdoctoral Researcher; collaborating and cooperating with (i) Research Group ‘Natural & Formal Languages’, (ii) Center for Linguistics, (iii) Center for ‘AI for the People’, Aalborg University, Denmark
- (12.2015 - 01.2022):
Secretary & Executive Committee Member of Nordic Association of Linguists, Aalborg, Denmark

(05.2018 - 11.2018):

Research Assistant, (i) Research Group ‘Natural & Formal Languages’, (ii) Center for Linguistics, Aalborg University, Denmark

(11.2016):

Visiting Research Scholar, Department of Applied IT, University of Göteborg, Sweden

(12.2014 - 05.2017):

Lecturer, Aalborg University, Denmark

(12.2015 - 05.2017):

Lecturer (non-official; through Ph.D. supervisor), Aalborg University, Denmark

(10.2014 - 08.2017):

Ph.D. Researcher, Center for Computer-mediated Epistemology and Center for Linguistics, Department of Communication, Aalborg University, Denmark

(08.2013 - 08.2014):

Research Assistant, Agile Knowledge Engineering and Semantic Web (AKSW), Institute for Applied Informatics (InfAI), University of Leipzig, Germany

(09.2012 - 05.2013):

Teaching Assistant and *Seminar Leader*, Department of Computer Science, Faculty of Informatics, University of Debrecen, Hungary

(09.2004 - 09.2010):

Instructor, Colleges and high schools, Tehran, Iran

INDUSTRIAL EXPERIENCES

(06.2016 - 06.2019):

Technical/Scientific Consultant (in Business Intelligence & Data Analytics), D4tec, Aalborg, Denmark

- Applied data/text mining to extract insights and automate processes.
- Enhanced customer experiences through advanced analytics.

(09.2007 - 09.2010):

Manager of Information Systems and **Problem Solver**, Trans Iranian Distribution, Tehran, Iran

- Optimised operations through technology integration and data-driven solutions.
- Improved supply chain efficiency and IT infrastructure.

EDITORSHIP

ACADEMIC BOOKS

1. **Badie, F.**; Ali, L.; Alhasan, W.; Ali, A.; Abo Shdeed, W. (Proposal Submitted **2025**): “Navigating the Cyber Landscape: A Practical Guide to Modern Cybersecurity”

2. Anandan, R.; Souvik, P.; Balaganesh, D., and **Badie, F. (2024/25)**: “Federated Learning for Healthcare: Applications with Case Studies”, CRC Press, Taylor & Francis
3. Øhrstrøm, P., Jakobsen, D., and **Badie, F. (2025/26)**: Latest Edition of “Prior, A. (1957): Time and Modality. Oxford University Press”
4. **Badie, F.** and Augusto, L.M. (**2022/23**): “Conceptualisation and Semantic Knowledge”, Special Issue of *AI*, MDPI. Basel, Switzerland.
5. Goetzsche, H. (Editor) and **Badie, F.** (Editorial Assistant) (**2018**): “The Meaning of Language”. ISBN: 978-1-5275-0542-1. Newcastle: Cambridge Scholars Publishing, UK

INTERNATIONAL ACADEMIC JOURNALS

1. Guest Editor for *Artificial Intelligence (AI)*, MDPI. Basel, Switzerland (**2021-2023**)
2. Editorial board member for the *Journal of Chilean Association for Pattern Recognition* - affiliated to the IAPR (forthcoming), Chile
3. Editorial board member for the *Journal of Artificial General Intelligence*, Artificial General Intelligence Society (AGIS). Sciendo, Poland (**2020–**)
4. Editorial board member for *Open Computer Science*. Walter de Gruyter, Germany (**2019–**)
5. Editorial board member for *Open Education Studies* (in sections ‘Educational Philosophy’, ‘Learning Design’, ‘Pedagogy’). Walter de Gruyter, Germany (**2018–**)
6. Consulting Editor for *Cybernetics & Human Knowing: A Journal of Second Order Cybernetics, Autopoiesis & Cybersemiotics*. Imprint Academic, UK (**2020–**)
7. Editorial board member for the *Journal of Knowledge Structures & Systems (JKSS)*, Portugal (**2020–**)
8. Editorial board member for the Intl. *Journal of Philosophy & Social Sciences (IJPSS)*. Research India Publications, India (**2018–**)
9. Editorial board member for *Cybernetics and Information Technologies*, The Journal of Institute of Information and Communication Technologies of Bulgarian Academy of Sciences. Sciendo, Bulgaria (**2021 - 2025**)

JOURNALS OF ‘BERLIN SCHOOL OF BUSINESS AND INNOVATION’

1. Editor-in-Chief *Scientific Journal of Human & Machine Learning*, Berlin School of Business and Innovation, Germany (**2025-...**)
2. Associate Editor for *Scientific Journal of Human & Machine Learning*, Berlin School of Business and Innovation, Germany (**2022-2025**)
3. Associate Editor & Editorial board member for *Scientific Journal of Creative and Digital Arts*, Berlin School of Business and Innovation, Germany (**2022 - 2024**)
4. Editorial board member for *Scientific Journal of Business & Innovation*, Berlin School of Business and Innovation, Germany (**2022 - 2024**)
5. Associate Editor of *BSBI Gazette*; Berlin School of Business and Innovation (**2022 - 2023**; All 75 issues)

PRESENTATIONS

TEDx

1. **Badie, F.:** “Is the Robotic Tutor the Future of Lecturing?”, **TEDx** BerlinSBI, Berlin School of Business and Innovation, Germany (Oct. **2023**)

KEYNOTES

1. **Badie, F.:** Keynote speech (on “Change Strategies for Effective Digital Transformation in the Age of AI”), 8th Intl. Conf. on Digital Transformation in Business: AI, Sustainability and Economic Resilience; GL Bajaj Institute of Technology & Management (in collaboration with Zakir Husain Delhi College and Sunway Business School in Malaysia), India (Oct. **2024**)
2. **Badie, F.:** Invited Keynote Speaker (on “Strategic Insights, Systematic Solutions: A Data-Driven Perspective”), the Data Science Week 2024, Netherlands (June. **2024**)
3. **Badie, F.:** Keynote Speech (on “Determination: From Reflection to Adaptation, and vice versa”), the 3rd Intl. Conf. on Mathematical Modeling and Computational Science (ICMMCS), India (Feb. **2023**)

CONFERENCE PANELS

1. **Badie, F.;** Kouveliotis, K.; Tripathi, Sh.: “Balancing Quality-Affordability in International Higher Education for Sustainability Impact”, CZEDUCON (Int. Conf. on Internationalisation of Higher Education), Prague, Czech Republic (Nov. **2024**)
2. **Badie, F.:** “A Component-Based Model for Inductive Concept Learning Through Human-Robot Interaction”, the 4th Aalborg Univ. Robotics Workshop, Special Panel for Human-Robot Interaction, Aalborg University, Denmark (Nov. **2015**)

SPEECHES

1. **Badie, F.:** “Is AI Defining Rules for Data Analytics in Business?”, Global Talk Series, GL Bajaj Institute of Management & Research, Uttar Pradesh, India (Oct. **2024**)
2. **Badie, F.:** “A General Overview of the Logical Descriptions of Ethical Rules in AI Domains”, 11th Responsible Management Education Research Conference (RMER), PRME/BSBI, Germany (Sep. **2024**)
3. **Badie, F.:** “BSBI (Faculty of Computer Science and Informatics): Fostering Innovation and Impact”, BSBI’s Special Workshop on Entrepreneurship Sensitization Programme, Berlin, Germany (Dec. **2024**)
4. **Badie, F.;** Samoylenko, S.; Chelabi, K.: “The Art of Living: A Comprehensive Study of Life Strategies”, GUS Academic Summit 2024, London, UK (March **2024**)
5. **Badie, F.:** “Nominal Conceptualism: A New Style of Thinking about Concepts in the Modern World”, Faculty Development Series (FDS), Berlin School of Business and Innovation, Germany (June **2023**)
6. **Badie, F.:** “BOTSBI: The Robot Revolution at BSBI ”. 1st Intl. Conf. on Artificial Intelligence, Berlin School of Business and Innovation, Berlin, Germany (Jun. **2023**)

7. **Badie, F.:** “The Metaverse: a Friend or a Menace?”, The Provost’s Roundtable, Berlin School of Business and Innovation, Berlin, Germany (Oct. **2023**)
8. **Badie, F.:** “Employment and Job Opportunities in Germany”, The Provost’s Roundtable, Berlin School of Business and Innovation, Berlin, Germany (Jul. **2023**)
9. **Badie, F.:** “The Future of Energy in Europe”, The Provost’s Roundtable, Berlin School of Business and Innovation, Berlin, Germany (Sep. **2022**)
10. **Badie, F.:** “How to Model a Constructivist Concept-based Teaching Strategy?”, Faculty Development Series (FDS), Berlin School of Business and Innovation, Germany (May **2022**)
11. **Badie, F.:** “Mixture Distributions”, Faculty of Computer Science and Business Information Systems, University of Applied Sciences Würzburg-Schweinfurt, Germany (Apr. **2021**)
12. **Badie, F.:** [Online Presentation] “Fundamental Concepts of Set Theory”, Bernoulli Institute, University of Groningen, Netherlands (Mar. **2021**)
13. **Badie, F.:** “Nominal Conceptualism: A Style of Thinking about ‘Concepts’ in AI-based Domains ”. 1st Intl. Conf. on Artificial Intelligence, Berlin School of Business and Innovation, Berlin, Germany (Jun. **2023**)
14. **Badie, F.:** [Online Presentation] “On Logical Analysis of Agents’ Conceptions within their World Descriptions”. Intl. Conf. ‘Formal Philosophy’, HSE Intl. Lab for Logic, Linguistics and Formal Philosophy; Moscow, Russia (Jun. **2021**)
15. **Badie, F.:** “Logic-Based Ontologies - Ontologies & Description Logics”, Faculty of Computer Science and Business Information Systems, University of Applied Sciences Würzburg-Schweinfurt, Germany (Apr. **2021**)
16. **Badie, F.:** [Online Presentation] “Logical Characterisation of Prior’s Logical System Q”, Annual Meeting of Danish Philosophical Society (Session on Prior’s Tense-Logic), Denmark (Mar. **2021**)
17. **Badie, F.:** [Online Presentation] “Concepts and Meanings from the Viewpoint of Nominal Conceptualism”. UNESCO World Logic Day, FernUniversität, Hagen, Germany (Jan. **2021**)
18. **Badie, F.:** [Online Presentation]: “Data-Driven Application of a Digital Business Framework”, XU-Exponential University, Germany (Sept. **2021**)
19. **Badie, F.:** “Towards an Innovative Product Ownership”, Bellin GmbH, Ettenheim, Germany (Feb. **2020**)
20. **Badie, F.:** [Online Presentation] “On a Modern Constructivist Problem-based Teaching Strategy and Pedagogy (in Computer Science Education)”, Institute for Computer Science Education, Karlsruhe University of Education, Germany (Aug. **2020**)
21. **Badie, F.:** [Online Presentation] “The Visualisation of Ontologies for Learning Purposes”, Faculty of Geo-Information Science and Earth Observation, the University of Twente, Netherlands (Apr. **2020**)
22. **Badie, F.:** [Online Presentation] “Formal-Logical Modelling of Conceptual Change: Applications in Linguistic Meaning and Language Processing”, Centre for Languages and Literature, Lund University, Sweden (June **2020**)

23. **Badie, F.:** [Online Presentation] “Computational Thinking in Education and Digitalisation”, School of Business & Social Sciences - Center for Computational Thinking & Design, Aarhus University, Denmark (July **2019**)
24. **Badie, F.:** [Online Presentation] “Towards the Theory & Computational Modelling of Perceptual Inference in Language and Action Planning”, Language in Interaction consortium, Donders Institute for ‘Brain, Cognition, and Behaviour’, Nijmegen, Netherlands (Nov. **2019**)
25. **Badie, F.:** “Towards Interaction-based Reasoning Based on Description Logics”. Institute for Theoretical Computer Science, TU-Dresden, Dresden, Germany (Jan. **2019**)
26. **Badie, F.:** [Online Presentation] “Towards Interaction-based Reasoning in Information Science”. The Department of Information Science and Media Studies, University of Bergen, Norway (Sept. **2019**)
27. **Badie, F.:** [Online Presentation] “On Research Communication Analysis for Artificial Intelligence”. Robert-Bosch Center for Artificial Intelligence, Germany (Aug. **2019**)
28. **Badie, F.:** “On Modern Approaches to Knowledge Representation within Human-Robot Interaction”. Honda Research Institute EU GmbH, Offenbach, Germany (July **2018**)
29. **Badie, F.:** “A Semantic Representation of Humans’ Conceptions in Terminological Systems”. Conf. on Logic & Cognition (Poznan Reasoning Week **2018**), Adam Mickiewicz University, Poznan, Poland (Sept. **2018**)
30. **Badie, F.:** “Towards World Identification in Description Logics”. ArgDiaP Conf. (Argumentation, Dialogue, Persuasion), Warsaw Argumentation Week, Polish Academy of Sciences, Warsaw, Poland (Sept. **2018**)
31. **Badie, F.:** “A Modern Cognitive Semantic Approach to Meaning Construction through Human-Human Interactions”. Research Colloquium for Philosophy and Cognitive Science. Ruhr-Universität Bochum, Germany (Apr. **2018**)
32. **Badie, F.:** “A Formal Semantics for Concept Understanding Relying on Description Logics”. The 9th Intl. Conf. on Agents and Artificial Intelligence. Session for Artificial Intelligence. Porto, Portugal (Feb. **2017**)
33. **Badie, F.:** “A Theoretical Model for Meaning Construction through Constructivist Concept Learning”. Ph.D. defence seminar, Department of Communication. Aalborg University, Denmark (Aug. **2017**)
34. **Badie, F.:** “On Logical Characterisation of Human Concept Learning within Terminological Systems”, The 2nd Conf. on Logic & Cognition (Poznan Reasoning Week). Adam Mickiewicz University, Poznan, Poland (Sept. **2016**)
35. **Badie, F.** and Goetzsche, H.: “Towards Logical Analysis of Occurrence Values in Truth-Functional Independent Occurrence Logic”, Logic Colloquium (by Association for Symbolic Logic): ‘Philosophical Logic’ session. Leeds, UK (Aug. **2016**)
36. **Badie, F.:** “A Conceptual Framework over Contextual Analysis of Concept Learning within Human-Machine Interplays”, the first Intl. Symposium on Emerging Technologies for Education, Track for ‘Emerging Technologies of Design, Model and Framework of Learning Systems’, Sapienza University, Rome, Italy (Oct. **2016**)

37. **Badie, F.:** “Towards Semantic Analysis of Mentoring-Learning Relationships within Constructivist Interactions”, the 1st Intl. Symposium on Emerging Technologies for Education, Track for ‘Emerging Technologies of Design, Model and Framework of Learning Systems’, Sapienza University, Rome, Italy (Oct. **2016**)
38. **Badie, F.:** “Conceptual Analysis of Inductive Meaning Constructing in Constructivist Interactions between Mentor and Learner”: Creative University Conf. (in Knowledge Cultures, Critical Creative Thinking and Innovative Learning Processes), Session for Learning Processes and Knowledge Building, Aalborg, Denmark (Aug. **2016**)
39. **Badie, F.** [Virtual Presentation]: “A Semantic Representation of Adult Learners’ Developing Conceptions of Self Realisation Through Learning process”, the 10th Intl. Technology, Education & Development Conf., Valencia, Spain (Mar. **2016**)
40. **Badie, F.:** “A Conceptual Mirror: Towards a Reflectional Symmetrical Relation Between Mentor and Learner”. The 3rd Intl. Conf. on Education and Psychological Sciences, Florence, Italy (Feb. **2016**)
41. **Badie, F.** [Virtual Presentation]: “Towards a Semantics-based Framework for Meaning Construction in Constructivist Interactions”, the 8th Intl. Conf. of Education, Research and Innovation (ICERI) - Research on Technology in Education Session, Seville, Spain (Nov. **2015**)
42. **Badie, F.:** “A Semantic Basis for Meaning Construction in Constructivist Interactions”, the 12th Intl. Conf. on Cognition & Exploratory Learning - Session for Technology & Mental Models, Maynooth University, Ireland (Oct. **2015**)
43. **Badie, F.:** “Towards Symbolic Occurrence Logic”, the 26th Scandinavian Conf. of Linguistics, Aalborg University, Denmark (Aug. **2015**)
44. **Badie, F.:** “Towards a Formal Occurrence Logic based on Predicate Logic”, Logic Colloquium **2015**, University of Helsinki, Finland (Aug. **2015**)
45. **Badie, F.:** “Logical Characterisation of Ontology Construction using Fuzzy Description Logics”, Revealing Hidden Knowledge Workshop, Copenhagen Business School, Copenhagen, Denmark (Jan. **2015**)
46. **Badie, F.:** “A Fuzzy Knowledge Representation Model for Student Performance Assessment” (Poster Presentation), the 14th IEEE Intl. Conf. on Advanced Learning Technologies - ICALT: Advanced Technologies for Supporting Open Access to Formal and Informal Learning, Athens, Greece (July **2014**)
47. **Badie, F.:** “Fuzzy OWL Class Expressions”, AKSW Colloquium, Institute for Applied Informatics, University of Leipzig, Leipzig, Germany (Nov. **2013**)
48. **Badie, F.:** “Fuzzy OWL Class Expression (for Intelligent Learning Based on Semantic Web)”, Minute Madness, the 5th Leipziger Semantic Web Day (LSWT), University of Leipzig, Leipzig, Germany (Sept. **2013**)

COMMITTEE MEMBERSHIP

PHD THESIS EXAMINATION

1. *Board Member of Ph.D. Thesis Examiners*, Annamalai University, Chidambaram, India (**2025**)

2. *Board Member of Ph.D. Thesis Examiners*, Annamalai University, Chidambaram, India (**2024**)
3. *Board Member of Ph.D. Thesis Examiners*, Presidency University, Bangalore, India (**2023**)
4. *Ph.D. Thesis Examination Board Member*, Bharathiar University, Tamil Nadu, India (**2023**)

REVIEW OF JOURNALS & BOOK CHAPTERS

1. *International Journal of Knowledge-Based and Intelligent Engineering Systems* - the KES Journal, IOS Press (**2021** –)
2. *Cybernetics and Information Technologies Journal*, Institute of Information and Communication Technologies (IICT) at the Bulgarian Academy of Sciences, Sciendo (**2020** –)
3. *Decision Support Systems*, Elsevier (**2021**)
4. *Cybernetics & Human Knowing: A Journal of Second Order Cybernetics, Autopoiesis & Cybersemiotics*, Imprint Academic (**2021**)
5. *Logic and Philosophy of Time - Themes from A.N. Prior*, Aalborg University Press (**2021**)
6. *Academia Letters*, academia.edu (**2021**)
7. *Journal of Knowledge Structures & Systems (JKSS)* (**2020** –)
8. *Open Education Studies*, De Gruyter (**2020**)

PANEL MEMBERSHIP & CHAIRMANSHIP

1. Co-organiser of *Teaching with Artificial Intelligence in Higher Education* (under GGG Webinar Series); Global University Systems in Germany (GGG); Germany **2025**
2. Panellist (behind the desk) for *Foss FEST 2025: International Hackathon*, OpenSource Science B.V. (Netherlands); Berlin, Germany **2025**
3. Judging panellist for *Systems and Data Analytics* Track, 8th Int. Conf. on *Digital Transformation in Business: AI, Sustainability and Economic Resilience*, GL Bajaj Institute of Management and Research, Greater Noida, India: **2024**
4. Co-Chair of the track *Integrating Ethics, Transparency, Sustainability and Humanism (ETSH) Education in Graduate Management Programmes: Challenges, Strategies and Best Practices*, 11th Responsible Management Education Research (RMER) Conf., PRME/BSBI, Germany: **2024**
5. Co-Organiser of the 1st Intl. Conf. on *Artificial Intelligence (AI for Sustainable e-governance and Business Intelligence)*, Berlin School of Business and Innovation, Germany: **2023**
6. Judging panellist (*Computer Science* panel) for the Global Undergraduate Awards, Ireland: **2021, 2022**
7. Judging panellist (*Education* panel) for the Global Undergraduate Awards, Ireland: **2020**

8. Judging panellist (*Philosophy* panel) for the Global Undergraduate Awards, Ireland: **2019**
9. Chairman of the Session for *Artificial Intelligence*, the 9th Intl. Conf. on Agents & Artificial Intelligence, Porto, Portugal: **2017**

PROGRAM/SCIENTIFIC/TECHNICAL COMMITTEE MEMBERSHIP

1. Intl. Conf. on *Computational Intelligence and Autonomous Systems* (ICIAS): **2025**
2. World Conf. on *Data Science & Statistics*: **2024**
3. Intl. Conf. on *Artificial Intelligence, Automation and Control Technologies* (AIACT): **2024**
4. Asia Conf. on *Algorithms, Computing and Machine Learning* (CACML): **2023**
5. Intl. Conf. on *Digitalization and Management Innovation* (DMI): **2022**
6. IEEE Intl. Conf. on *Data Science, Agents & Artificial Intelligence* (ICDSAIAI): **2022, 2023**
7. Intl. Conf. on *Human Computer Interaction Theory and Applications* (HUCAPP): **2022**
8. Intl. Conf. on Modern Management based on Big Data (MMBD): **2022, 2023**
9. *Artificial Intelligence, Machine Learning and Data Science* World Forum (ArtIntel): **2022**
10. Intl. Workshop on *Metaverse and Artificial Companions in Education and Society* (MetaACES): **2022**
11. Intl. Conf. on *Applications of Big Data and Artificial Intelligence* (ABDAI): **2022**
12. Intl. Conf. on *Knowledge Discovery* (ICKD): **2022**
13. Workshop on *Secure IoT, Edge and Cloud Systems* (SIoTEC): **2022**
14. Intl. Conf. on *Artificial Intelligence Applications and Technologies* (AIAAT): **2022**
15. Int. Development Informatics Association (IDIA) Conf.: **2022**
16. Asia *Education Technology* Symposium (AETS): **2022**
17. Intl. Conf. on *Education and Technology* (EDUTECH): **2022**
18. IEEE Intl. Conf. on *Semantic Computing* (ICSC): **2020, 2021, 2022, 2023, 2024, 2025**
19. Intl. Conf. on *Robotics, Automation and Intelligent Control* (ICRAIC): **2022, 2023**
20. Asia Conf. on *Advanced Robotics, Automation, and Control Engineering* (ARACE): **2022**
21. IEEE Conf. on *Pattern Recognition Systems* (ICPRS): **2021, 2022**
22. Intl. Conf. on *Management and Education Innovation* (ICMEI): **2021, 2022**
23. Intl. Conf. on *Artificial Intelligence, Automation and Algorithm* (AI2A): **2021, 2022**
24. IEEE Intl. Conf. on *Big Knowledge* (ICBK): **2021**
25. IEEE Intl. Conf. on *Knowledge Graph* (ICKG): **2021**

26. IEEE Intl. Workshop on *Distributed and Intelligent Systems* (DaIS): **2021**
27. Intl. Conf. on *Frontiers of Mathematics and Artificial Intelligence* (CFMAI): **2021**
28. Intl. Conf. on *Extending Database Technology* (EDBT) (in collaboration with Microsoft): **2021**
29. Intl. Conf. on *Agents & Artificial Intelligence* (ICAART): **2020, 2021, 2022, 2023**
30. *Computing* Conf. (in collaboration with Microsoft): **2020, 2021, 2022, 2023**
31. Intl. Conf. on *Cognition & Exploratory Learning in Digital Age* (CELDA): **2018, 2019, 2020, 2021, 2022, 2024, 2025**
32. IADIS Intl. Conf. on *Mobile Learning* (ML): **2019, 2020, 2021, 2022, 2025**
33. Intl. *Artificial Intelligence and Blockchain* Conf. (AIBC); ACM Singapore: **2020, 2021, 2022**
34. Intl. Conf. on *Education and Management Innovation* (ICEMI): **2020, 2021, 2022, 2023**
35. IEEE-Microsoft Future of *Information & Communication Conf.* (FICC): **2019, 2020, 2021, 2022**
36. IEEE Intl. *e-Engineering Education Services* Conf.: **2020, 2021**
37. Intl. Symposium on *Intelligent Robotics and Systems* (ISoIRS): **2020, 2021**
38. European Conf. on *Information Systems* (ECIS) and Associate editorship of ‘*ICT for Development*’ track: **2020**
39. Intl. Congress on *Robotics and Artificial Intelligence* (ICRAI): **2020, 2022**
40. IEEE Intl. Conf. on *Advanced Learning Technologies and Technology-enhanced Learning* (ICALT) - Track for *Artificial Intelligence and Smart Learning Environments* (AISLE): **2019, 2020, 2021, 2022**
41. SGAI Intl. Conf. on *Artificial Intelligence* (AI): **2019, 2020, 2021, 2022**
42. *Intelligent Systems* Conf. - IntelliSys (in collaboration with Microsoft): **2019, 2020, 2021, 2022**
43. IADIS Intl. Conf. *Information Systems* (IS): **2019, 2020, 2021, 2022**
44. IADIS Intl. Conf. on *e-Society*: **2019, 2020, 2021, 2022**
45. Intl. Conf. of the Italian Association for *Artificial Intelligence* (AIxIA): **2019, 2020, 2021**
46. Intl. Conf. on *Industrial, Engineering & Other Applications of Applied Intelligent Systems* (IEA/AIE): **2019, 2020, 2021**
47. Intl. Conf. on *Educational Technologies* (ICEduTech): **2019, 2020, 2021, 2025, 2026**
48. World Multi-Conf. on *Systemics, Cybernetics & Informatics* (WMSCI): **2019, 2020**
49. Intl. Conf. on *Machine Learning and Intelligent Systems* (MLIS): **2019, 2020**
50. KES Intl. Conf. on *Agent & Multi-Agent Systems: Technologies and Applications* (AMSTA): **2019**
51. IEEE Intl. Conf. on *Awareness Science and Technology* (iCAST): **2019**

52. Intl. Conf. on *Fuzzy Systems and Data Mining* (FSDM): **2019**
53. Intl. Conf. on *Electronics, Communications and Networks*: **2019**
54. *Semantics & Philosophy* in Europe 11 (SPE): **2019**
55. Intl. Conf. on *Smart Information & Communication Technologies* (SmartICT): **2019**
56. Intl. KES Conf. on *Intelligent Decision Technologies* (IDT): **2019**
57. KES Intl. Conf. on *Smart Education & E-Learning* (SEEL): **2018, 2019, 2020, 2021, 2022**
58. Intl. Conf. on *ICT, Society & Human Beings* (MCCSIS): **2018, 2019, 2020, 2021, 2022**
59. IEEE - Microsoft *Future Technologies* Conf. (FTC): **2018, 2019, 2020, 2021, 2022**
60. Intl. Conf. on *Sensor Networks & Signal Processing* (SNSP): **2018**
61. IDIA Conf. on *Making ICT Research Locally Relevant*: **2018**
62. IEEE Intl. Conf. on *Innovations in Intelligent Systems and Applications* (INISTA), Special Session on Semantic Intelligence (SINTEL): **2017**
63. Intl. Symposium on *Emerging Technologies for Education* (SETE): **2016**
64. Intl. Conf. on *Education & Psychological Sciences* (ICEPS): **2016**
65. The Scandinavian Conf. of *Linguistics*: **2015**

LED INTERNATIONAL RESEARCH PROJECTS

- The Germany's Academic Leader of "Unleashing the Potential of AI-Driven Data Management in E-Health Domains" International Research Project between Germany (BSBI) and UAE (University of Jumeira), **2024-2025**
- The Germany's Academic Leader of "Sahyog: Teaching Sustainability Beyond Classroom - International Doctoral Students Projects between Germany (BSBI) and India (Goa Institute of Management)", **2024**

SCIENTIFIC ASSOCIATION MEMBERSHIP

- Member of *European Research Network on Formal Proofs* (in European Cooperation in Science & Technology), Working Group '*Libraries of formal proofs*' (**2021 -**)
- Member of *Intl. Association of Smart Learning Environments* (**2020 -**)
- Member of the *Institute for Systems and Technologies of Information, Control & Communication* (**2017 -**)
- Member of *KES Intl. Society (Smart Technology based Education and Training)* (**2016 -**)
- Member of *Copenhagen Association for Dynamics Interaction Logic Language & Computation* (**2014 -**)
- Member of *Scandinavian Logic Society* (**2014 -**)
- Member of *Nordic Association of Linguists* (**2016 -**)
- Member of *Association for Symbolic Logic* (**2015 - 2017**)

ACADEMIC INITIATIVE

- The *Philosophy Society*, Berlin School of Business and Innovation, Germany, **2023**

CERTIFICATES & INDEPENDENT COURSES

- *Phishing Awareness*, DeltaNet Internations & CPD Certification Service (**2024**)
- *Phishing Challenge*, DeltaNet Internations & CPD Certification Service (**2024**)
- *Safeguarding Essentials*, DeltaNet Internations & CPD Certification Service (**2024**)
- *Information Security: Background and Best Practice*, DeltaNet Internations & CPD Certification Service (**2024**)
- *GDPR: A Practical Overview*, DeltaNet Internations & CPD Certification Service (**2024**)
- *Wellbeing and Remote Working*, DeltaNet Internations & CPD Certification Service (**2024**)
- *Understanding and Confronting Sexual Harassment at Work*, DeltaNet Internations & CPD Certification Service (**2024**)
- *OneDrive, SharePoint and Teams: Best Practice*, DeltaNet Internations & CPD Certification Service (**2024**)
- *PREVENTing Radicalisation and Extremism Preventing Radicalisation and Extremism*, DeltaNet Internations & CPD Certification Service (**2024**)
- *Prevent Online Training Course*, HM Government, UK (**2021**)
- *GDPR UK: Essentials*, iHASCO, UK (**2021**)
- *Health and Safety Essentials*, iHASCO, UK (**2021**)
- *Equality, Diversity & Inclusion*, iHASCO, UK (**2021**)
- *Mind the gap before your next research career step; How can research analytics help?*, Elsevier's 'Research Intelligence' Group and Aalborg University, online course (**2021**)
- *Visibility and impact - Boost your researcher profile*, Aalborg University, online course (**2021**)
- *Eye Tracking* (SR Research - EyeLink), Aalborg University, Denmark (**2018**)
- *Learning, Creativity and Innovative Learning Processes*, Aalborg University, Denmark (**2016**)
- *Scandinavian Logic Society Summer School of Logic*, University of Helsinki, Finland (**2015**)
- *Writing and Reviewing Scientific Papers*, Aalborg University, Denmark (**2015**)
- *Academic Information Management*, Aalborg University, Denmark (**2015**)
- *Learning Analytics Summer Institutes (LASI)*, Aalborg University, Denmark (**2015**)
- *Pedagogy for University Teachers*, Aalborg University, Denmark (**2014**)
- *Advanced Certificate of English Language*, Harmony Language Centre, Kuala Lumpur, Malaysia (**2010**)

- *Elementary, Intermediate, and Advanced Certificates of English Language*, Faculty of Foreign Languages, University of Tehran, Iran (**2002 - 2005**)

SCHOLARSHIPS

- Scholarship for Doctoral Studies and Research Trips (**2014 - 2017**)
- Scholarship for **2016** North American Summer School on Logic, Language, and Information (NASSLLI). Rutgers, the State University of New Jersey - New Brunswick, USA (July **2016**)
- Scholarship for Pre-Doctoral Studies, University of Leipzig (**2013 - 2014**)

AWARDS

- Excellence Awards 2024 for *Excellence in Research*, Society for Intelligent Systems, India (**2024**)
- GUS Fellowship for *Academic Leadership*, Global University Systems (**2024 - 2027**)
- *Academic Development Award* (as for the ‘best lecturer’) of Berlin School of Business and Innovation (**2022**)
- The *Best Paper Award*: The 3rd Intl. Conf. on Education and Psychological Sciences (ICEPS), Florence, Italy (**2016**)

LANGUAGES

- Persian (Farsi): Native Language
- English: Full Professional Proficiency (Level C2)
- German: Level A1

FARSHAD BADIE

PUBLICATIONS

BOOK

1. **Badie, F.** (2024): “From Iceberg to Insights: A Human-Centric Guide to Competency in the AI Age”. Magestic Technology Solutions (P) Ltd. ISBN: 978-93-92090-96-7 (Print) 978-93-92090-51-6 (online).

ACADEMIC ARTICLES

1. Rostomyan, A.; **Badie, F.** & Rathinasabapathi, P. (2025 - Accepted/in press): “The Prominent Role of Emotion Knowledge in Communicative Interaction: A Cognitive Approach”; CRC Press, Taylor & Francis
2. **Badie, F.**; Rostomyan, A. & Rathinasabapathi, P. (2025 - Accepted/in press): “Exploring the Construction of Conceptual Meanings in Speaking Agents: A Cognitive Perspective”; CRC Press, Taylor & Francis
3. Bhuiyan, M.R.; Hassan, H.; Abdullah, J.; Islam, M.B.; **Badie, F.**; Napolitano, G. and Balaganesh, D. (2025 / Accepted/in-press; INISTA 2025): “Video Analytics using Deep Learning for Massive Crowd Instant Segmentation and Detection”, UAE
4. Bhuiyan, M.R.; Abdullah, J.; Farid, F; Hasim, N.; **Badie, F.**; Uddin, J.; Balaganesh, D. (2025, Accepted/in-press; MECON 2025): “Towards Intelligent Crowd Monitoring during Hajj: A Novel Dataset for Density Estimation and Anomaly Detection in the Tawaf Area (2015-2019)”
5. Bhuiyan, M.R.; Abdullah, J.; **Badie, F.**; Islam, M.B; Farid, F; Napolitano, G. (2025, Accepted/in-press; MECON 2025): “Massive Crowd Pose Estimation using Deep Learning-based Techniques”
6. Farid, F; Bhuiyan, R.; **Badie, F.**; Balaganesh, D.; Abdul Karim, H. (2025, Accepted/in-press; MECON 2025): “Deep Learning-Based Classification of Tomato Leaf Diseases for Precision Agriculture”
7. Farid, F; Abdul Karim, H.; Bhuiyan, R.; **Badie, F.**; Balaganesh, D.; Tucher, M.M.R. (2025 / Accepted/in-press; MECON 2025): “Traffic Sign Classification Across Borders: Evaluating DenseNet201 on Belgium and Bangladesh Signs”
8. Bhuiyan, R.; Islam, B.; **Badie, F.**; Abdullah, J; and Napolitano, G. (2025 / Accepted/in-press; 14th IEEE International Conference on Image Processing Theory Tools & Applications 2025): “Automatic Insect Pest Identification and Recognition for Paddy Crops Pest Control”
9. Farid, Fahmid A., **Badie, F.**, Islam, M.B., Mansor, S.B., Sarker, M.T., Tusher, M.M.R. (2025 / Accepted/in-press; 14th IEEE International Conference on Image Processing Theory Tools & Applications 2025): “A CNN-based Method using Augmented Constrained Data to Enhance Wheat Leaf Disease Identification”
10. **Badie, F.** & Rostomyan, A. (2025): “Competency Mapping as a Knowledge Driver in Modern Organisations” (Vol 5, No 13), MDPI, Switzerland

11. Rostomyan, A. & **Badie, F. (2025)**: “Explorations on Emotional Mutual Background Knowledge in Communication: A Cognitive Approach”, Global Knowledge, Memory and Communication, Emerald
12. **Badie, F.**; Rathinasabapathi, P. & Kumar, A. **(2025)**: “Marketing Automation Development as a Process of Digital Ecosystem Enhancement”, Handbook of Disruptive Technologies: Operations, Business, Management, and Healthcare; CRC Press, Taylor & Francis
13. **Badie, F.** & Rostomyan, A. **(2024)**: “Exploring the Underpinnings of Perception and Interpretation of Universalisms: A Cognitive Perspective”, Scientific Journal of Human and Machine Learning, 2(2). Berlin School of Business and Innovation, Germany
14. **Badie, F. (2024)**: “Nominal Conceptualism: A Style of Thinking about Concepts in AI-based domains”, *Scientific Journal of Human and Machine Learning*, 2(1). Berlin School of Business and Innovation, Germany
15. **Badie, F. (2023, accepted/in press)**: “A.N. Prior: Time and Modality (Chapter V: The System Q); Transcription with Modern Logical Formalism”. *Logic and Philosophy of Time; Themes from Prior* book series, Volume 5, Aalborg University Press: Aalborg, Denmark
16. **Badie, F. (2023)**: “On A.N. Prior’s Logical System Q”. *The History and Philosophy of Tense-logic; Logic and Philosophy of Time (as part of AAU Journals)*; Vol. 5 No. 1.; Aalborg, Denmark
17. **Badie, F.** & Augusto, L.M. **(2023)**: “Fuzzy Networks for Modeling Shared Semantic Knowledge”. Journal of Artificial General Intelligence (JAGI)(Vol 19, No 3); Artificial General Intelligence Society, Sciendo. Pages: 1-13
18. Cuong, N. M. & **Badie, F. (2023)**: “International Relations and Global Politics: Germany’s Cultural Diplomacy: A Political-Logical Case Study of Friedrich-Ebert-Stiftung in Vietnam”, V. 11, No 3); Russian Law Journal. Pages: 1966 - 1973
19. **Badie, F. (2023)**: “Conceptual Change of Agents’ Conceptions through Textual Conversations on Social Media Channels: A Logical Study”, *Scientific Journal of Creative and Digital Arts*, 1(1). Berlin School of Business and Innovation, Germany
20. Hernandez, R. & **Badie, F. (2023)**: “Towards Value Construction in Creative Leadership”, *Scientific Journal of Creative and Digital Arts*, 1(1). Berlin School of Business and Innovation, Germany
21. **Badie, F. (2022)**: “Towards World Identification in Description Logics”. *Logical Investigations*. Vol. 28, No. 2. Institute of Philosophy, Russian Academy of Sciences, Moscow, Russia. Pages: 115-134
22. **Badie, F. (2022)**: “Logical Analysis of Symbolic Conception Representation in Terminological Systems”. *Logiko-filosofskie studii*, . 20, No 4.; St. Petersburg Philosophical Society, St. Petersburg, Russia. Pages: 360–370.
23. Augusto, L.M. & **Badie, F. (2022)**: “Formal Thought Disorder and Logical Form: A Symbolic Computational Model of Terminological Knowledge”. *Journal of Knowledge Structures & Systems (JKSS)*, 3(4). Pages: 1-37
24. **Badie, F.** and Goetzsche, H. **(2022)**: “An Occurrence Description Logic”. *Logical Investigations*. Vol. 28, No. 1. Institute of Philosophy, Russian Academy of Sciences, Moscow, Russia. Pages: 142-156

25. **Badie, F.** & Augusto, L.M. (2022): “The Form in Formal Thought Disorder: A Model of Dyssyntax in Semantic Networking”. *AI Journal*. Basel, Switzerland. Pages: 353–370
26. Nanor, J. & **Badie, F.** (2022): “From Data to Data-Driven Knowledge in the Framework of Information Science”, *Scientific Journal of Human and Machine Learning*, 1(1); ISSN 2752-2709. Berlin School of Business and Innovation, Germany
27. Shivani & **Badie, F.** (2022): “From Data to Data Processing: An Analytic Study”, *Scientific Journal of Human and Machine Learning*, 1(1); ISSN 2752-2709. Berlin School of Business and Innovation, Germany
28. **Badie, F.** (2021): “A.N. Prior’s Logical System Q: A Review”. *Logiko-filosofskie studii* (Vol 19, No 3). St. Petersburg Philosophical Society, St. Petersburg, Russia. Pages: 161–174
29. **Badie, F.** (2021): “Nominal Conceptualism and Logical Modelling of Agents’ Conceptions”. *Logiko-filosofskie studii* (Vol 19, No 1). St. Petersburg Philosophical Society, St. Petersburg, Russia. Pages: 95-100
30. **Badie, F.** (2021): “Can Knowledge be Quantified and Qualified?”. *Journal of Knowledge Structures & Systems (JKSS)*, 2(1). Pages: 63 - 67
31. **Badie, F.** (2020): “Logic and Constructivism: A Model of Terminological Knowledge”. *Journal of Knowledge Structures & Systems (JKSS)*, 1(1). Pages: 23 - 39
32. **Badie, F.** (2020): “Towards Contingent World Descriptions in Description Logics”. *Logic and Logical Philosophy* (Vol 29, No 1). ISSN: 1425-3305. Nicolaus Copernicus University, Poland. Pages: 115 - 141
33. **Badie, F.** (2020): “A Formal Ontology for Conception Representation in Terminological Systems”. In: *Reasoning: Logic, Cognition, and Games*; Studies in Logic and Practical Reasoning. London, UK: College Publications. Pages: 137-157
34. **Badie, F.** (2019): “Logical Foundation of Inductive Meaning Constructing in Constructivist Interactions”. In: Lund, B., & Arndt, S. (Eds.). *The Creative University*. Leiden, the Netherlands: Brill — Sense. Pages: 172 - 198
35. **Badie, F.** (2018): “On Logical Characterisation of Human Concept Learning based on Terminological Systems”. *Logic and Logical Philosophy* (Vol 27, No 4). Special Issue on “Logic, Cognition, Argumentation”. Nicolaus Copernicus University, Poland. Pages: 545 - 566
36. **Badie, F.** (2018): “A Description Logic Based Knowledge Representation Model for Concept Understanding”. In: H. van den et al. (Eds.) *Agents and Artificial Intelligence*. Lecture Notes in Computer Science, ‘Lecture Notes in Artificial Intelligence sub-series’ (vol 10839). Cham: Springer. Pages: 1 - 21
37. **Badie, F.** (2018): “Towards a Formal Symbolic Occurrence Logic”. In: Goetzsche, H. (Ed.) *The Meaning of Language*. ISBN: 978-1-5275-0542-1. Newcastle: Cambridge Scholars Publishing. Pages: 290 - 301
38. **Badie, F.** (2018): “Knowledge Building Conceptualisation within Smart Constructivist Learning Systems”. In: V. Uskov et al. (Eds.) *Smart Universities*; Smart Innovation, Systems and Technologies, vol 70. Cham: Springer. Pages: 385 - 419
39. **Badie, F.** (2017): “A Conceptual Mirror: Towards a Reflectional Symmetrical Relation Between Mentor and Learner”. *Intl. Journal of Information and Education*

Technology (IJIET), vol. 7(3). ISSN: 2010 - 3689. Intl. Association of Computer Science and Information Technology (IACSIT). Pages: 199 - 203

40. **Badie, F. (2017):** “A Conceptual Framework over Contextual Analysis of Concept Learning within Human-Machine Interplays”. In: TT. Wu et al. (Eds.) *Emerging Technologies for Education*. Lecture Notes in Computer Science, vol 10108. Springer Intl. Publishing AG. Pages: 65 - 74
41. **Badie, F. (2017):** “Towards Semantic Analysis of Mentoring-Learning Relationships within Constructivist Interactions”. In: TT. Wu et al. (Eds.) *Emerging Technologies for Education*. Lecture Notes in Computer Science, vol 10108. Springer Intl. Publishing AG. Pages: 107 - 116
42. **Badie, F. (2017):** “From Concepts to Predicates within Constructivist Epistemology”. In: A. Baltag et al. (Eds.) *Logic, Rationality, and Interaction*. Lecture Notes in Computer Science, vol 10455. Springer-Verlag GmbH Germany (the paper is published in cooperation with the Association of Logic, Language and Information). Pages: 687 - 692
43. **Badie, F. (2017):** “A Formal Semantics for Concept Understanding Relying on Description Logics”. Proceedings of the *9th Intl. Conf. on Agents and Artificial Intelligence* (Porto, Portugal). ISBN: 978-989-758-220-2. Pages 42 - 52
44. **Badie, F. (2016):** “A Conceptual Framework for Knowledge Creation Based on Constructed Meanings within Mentor-Learner Conversations”. In: V. Uskov et al. (Eds.) *Smart Education and e-Learning*. Smart Innovation, Systems and Technologies, vol 59. Springer Intl. Publishing Switzerland. Pages: 167 - 177
45. **Badie, F. (2016):** “Towards Concept Understanding relying on Conceptualisation in Constructivist Learning”. Proceedings of the *13th Intl. Conf. on Cognition and Exploratory Learning in Digital Age* (Mannheim, Germany). ISBN: 978-989-8533-55-5. Intl. Association for Development of the Information Society (IADIS). Pages: 292 - 296
46. **Badie, F. (2016):** “Towards Semantic Analysis of Training-Learning Relationships within Human-Machine Interactions”. Proceedings of the *9th Intl. Conf. on Advances in Computer-Human Interaction* (Venice, Italy). ISSN: 2308-4138. ISBN: 978-1-61208-468-8. Intl. Academy, Research and Industry Association (IARIA). Pages: 323 - 326
47. **Badie, F. (2016):** “Logical Characterisation of Concept Transformations from Human into Machine Relying on Predicate Logic”. Proceedings of the *9th Intl. Conf. on Advances in Computer-Human Interaction* (Venice, Italy). ISSN: 2308-4138. ISBN: 978-1-61208-468-8. Intl. Academy, Research and Industry Association (IARIA). Pages: 376 - 379
48. **Badie, F. (2016):** “Concept Representation Analysis in the Context of Human-Machine Interactions”. Proceedings of the *14th Intl. Conf. on e-Society* (Algarve, Portugal). ISBN: 978-989-8533-48-7. Intl. Association for Development of the Information Society (IADIS). Pages: 55 - 62
49. **Badie, F. (2016):** “A Semantic Representation of Adult Learners’ Developing Conceptions of Self Realisation through Learning process”. Proceedings of the *10th Intl. Technology, Education and Development Conf.* (Valencia, Spain). ISBN: 978-84-608-5617-7. ISSN: 2340-1079. Intl. Association of Technology, Education and Development. Pages: 5348-5353

50. **Badie, F. (2016)**: “Towards a Semantics-based Framework for Meaning Construction in Constructivist Interactions”. Proceedings of the *8th Intl. Conf. of Education, Research and Innovation* (Seville, Spain). ISBN: 978-84-608-2657-6. ISSN: 2340-1095. Intl. Association of Technology, Education and Development. Pages: 7995-8002
51. **Badie, F. (2015)**: “A Semantic Basis for Meaning Construction in Constructivist Interactions”. Proceedings of the *12th Intl. Conf. on Cognition and Exploratory Learning in Digital Age* (Maynooth, Ireland). ISBN: 978-989-8533-43-2. Intl. Association for Development of the Information Society (IADIS). Pages: 369-376
52. **Badie, F., Soru, T., and Lehmann, J. (2014)**: “A Fuzzy Knowledge Representation Model for Student Performance Assessment”. In Proceedings of the *14th IEEE Intl. Conf. on Advanced Learning Technologies (ICALT): “Advanced Technologies for Supporting Open Access to Formal and Informal Learning”* (Athens, Greece). ISBN: 978-1-4799-4038-7. Pages: 539-540
53. ..., ..., ..., and **Badie, F. (2008)**: “Mathematical Process: A Viewpoint-Oriented Manipulation Perspective”. *World Applied Sciences Journal (WASJ)* - 4 (6): 812 - 815, 2008. ISSN: 1818-4952. Pages: 812 - 815

Submitted (Waiting for Results)

1. **Badie, F. & Rosomyna, A.M. (2025)**: “The Qualificational Conception Language (*QCL*): A Logical Framework for Qualitative Conception Representation”
2. Bhuiyan, R.; **Badie, F.**, and ... (2025): “Automatic insect pest identification and recognition for paddy crops pest control”
3. Bhuiyan, M.R.; **Badie, F.** & Islam, M.B. (2025): “Deep Learning and Robotics for Autism Spectrum Disorder: A Markerless Posture-Based Approach”
4. Bhuiyan, M.R.; Islam, M.B. & **Badie, F. (2025)**: “Deep Learning-Based Autism Detection in Children Using Markerless Pose Estimation”
5. Rostomyan, A. & **Badie, F. (2024)**: “Exploring the Construction of Conceptual Meanings in Speaking Agents: A Cognitive Perspective”
6. **Badie, F.** & Safonova, E. (2024): “Interpretable Machine Learning Models for Cyber-Threat Attribution: A Theoretical Observation”
7. **Badie, F. (2024)**: “On Possibilistic and Probabilistic Eventual Descriptions in Description Logics”
8. **Badie, F.** & Augusto, L.M. (2023): “Shared Conceptualization and Semantic Knowledge as Ontologies”
9. Augusto, L.M. & **Badie, F. (2023)**: “Shared Conceptualization and Semantic Knowledge: A Fuzzy Model for Real-World Applications”

Abstracts

1. **Badie, F. (2025)** [in Proceedings]: “Constructing Meaning and Value in Responsible Management Education: A Pedagogical Approach for Sustainable Futures”, Responsible Management Education Research Conference (RMERC), Serbia

2. Kouveliotis, K.; Tripathi, Sh.; **Badie, F. (2025)**: “Aligning Institution Performance to International Quality Benchmarks: Developing Common Performance Metrics for GUS Institutions”, GUS Academic Summit, Berlin, Germany
3. **Badie, F.** and Rostomyan, A. **(2023)** [in Proceedings]: “Exploring the dynamics of concepts, meanings, and values: insights from cognitive agents in business contexts”. Annual *Humanistic Management Conference (Leadership for Heritage, Legacy, and Humanistic Management)*, Indian Institute of Management, Nagpur, India
4. **Badie, F. (2023)** [in Proceedings]: “Nominal Conceptualism: A Style of Thinking about Concepts in AI-based Domains”. Conference Book of *AI Intl. Conf.*, Berlin School of Business and Innovation, Germany
5. Kouveliotis, K.; **Badie, F.**; Khaki, M **(2023)** [in Proceedings]: “BOTSBI: The Robot Revolution at BSBI ”. Conference Book of *AI Intl. Conf.*, Berlin School of Business and Innovation, Germany
6. **Badie, F. (2021)**: “On Logical Analysis of Agents’ Conceptions within their World Descriptions”. *Intl. Conf. ‘Formal Philosophy 2021’*, Moscow, Russia
7. **Badie, F. (2021)**: “Concepts and Meanings from the Viewpoint of Nominal Conceptualism”. *UNESCO World Logic Day*, FernUniversität, Hagen, Germany
8. **Badie, F. (2018)** [in Proceedings]: “Towards World Identification in Description Logics”. The *16th ArgDiaP Conf. (Argumentation, Dialogue, Persuasion)*, Warsaw Argumentation Week, Warsaw, Poland
9. **Badie, F. (2018)** [in Proceedings]: “A Semantic Representation of Humans’ Conceptions in Terminological Systems”. The *Conf. on Logic and Cognition*, Poznan Reasoning Week. Department of Logic and Cognitive Science, Institute of Psychology (Adam Mickiewicz University) and Institute of Philosophy (University of Zielona Góra), Poznan, Poland
10. **Badie, F. (2018)**: “On Logical Relationships between Possibilistic and Probabilistic Descriptions of Events”. The *13th Intl. Symposium of Cognition, Logic and Communication - “Events and Objects in Perception, Cognition, and Language”*, Riga, Latvia
11. **Badie, F. (2018)**: “An Epistemic Description Logic”. *Intl. Conf. on Formal Philosophy*, Moscow, Russia
12. **Badie, F. (2017)** [in Proceedings]: “Towards Predication of Conceptions through Constructivist Questions and Answers”. *QuestPro*, Poznan Reasoning Week (PRW). Department of Logic and Cognitive Science, Institute of Psychology, Adam Mickiewicz University, Poznan, Poland
13. **Badie, F. (2016)** [in Proceedings]: “On Logical Characterisation of Human Concept Learning within Terminological Systems”. The *2nd Conf. on Logic and Cognition*, Poznan Reasoning Week. Department of Logic and Cognitive Science, Institute of Psychology, Adam Mickiewicz University, Poznan, Poland
14. **Badie, F. (2016)**: “Conceptual Description of Inductive Meaning Constructing in Constructivist Interactions between Teacher and Student”. The *Creative University Conf.*. Aalborg, Denmark
15. **Badie, F. (2016)**: “A Constructivist Model of Knowing based on Teacher-Student Dialogues”. The Creative University Conf.. Aalborg, Denmark

16. **Badie, F.** and Goetzsche, H. (2016) [in Proceedings]: “Towards Logical Analysis of Occurrence Values in Truth-Functional Independent Occurrence Logic”. *Logic Colloquium*. Association for Symbolic Logic. Leeds, UK
17. **Badie, F.** and Goetzsche, H. (2016): “Functional Contingents in Description Logics’ World Descriptions”, *Logic Colloquium 2016*. Association for Symbolic Logic. Leeds, UK
18. **Badie, F.** and Goetzsche, H. (2015) [in Proceedings]: “Towards a Formal Occurrence Logic based on Predicate Logic”. *The 15th Congress of Logic, Methodology and Philosophy of Science and Logic Colloquium*. Helsinki, Finland
19. **Badie, F.** (2015): “A Component-based Model for Inductive Concept Learning through Human-Robot Interaction”. *The 4th AAU Robotics Workshop*, Special Panel for Human-Robot Interaction, Aalborg University, Denmark
20. **Badie, F.** and Goetzsche, H. (2015): “Logical Characterisation of Ontology Construction Using Fuzzy Description Logics”. *Revealing Hidden Knowledge Workshop*. Copenhagen Business School, Denmark

IN THE MEDIA

Interviews

1. Interviewed by Ingenieur News on “EU AI Act schreibt KI-Kompetenz vor, es gibt aber ein Aber (EU AI Act mandates AI competence, but there’s a catch)”. (Also published in VDI nachrichten) (2025)
2. Interviewed by “Robotics & Automation”: ”Seeing is Believing”, Akabo Media, UK (2025)
3. Interviewed by Tagesspiegel on ‘Künstliche Intelligenz: Kompetenz in vielen Branchen gefragt (Artificial Intelligence: Competence in Demand in many Industries)’ (2024)

Articles

1. **Badie, F.** (2024): “How does your Company handle the Fusion of Data from Multiple Sensors to Enhance the Robot’s Understanding of its Environment?”. *Robotics & Automation Magazine*. UK
2. **Badie, F.** (2024): “The balancing act between utility and ethics - can training with user data improve AI applications?”. *Tagesspiegel Background Digitalisierung & KI*. Germany
3. **Badie, F.** (2024): “Automation: A Catalyst for Digital Ecosystem Advancement”. (1) *Software Testing News*, UK and (2) *Dev Ops Online*, UK.
4. **Badie, F.** (2024): “Machine Learning Interpretability for Enhanced Cyber-Threat Attribution”, *Finance Derivative Publishing*, Netherlands
5. **Badie, F.** and Tripathi, S.K. (2023): “Applications And Emerging Challenges In Artificial Intelligence”, *Blitz India*
6. Kouveliotis, K.; **Badie, F.** (2023): “Impact of AI-based automation on the world”, *Entrepreneur Tribune*

7. **Badie, F. (2023):** “Concerto of Creativity: Uniting Effectuation and Cognitive Adaptability, Medium
8. **Badie, F. (2023):** “What is ‘Competency’ in Organisational Contexts?”, Medium
9. **Badie, F. (2023):** “Creative Professional Conversations: A Cognitive-Logical Analysis”, Medium
10. Kouveliotis, K.; **Badie, F.**; Mansuri, M. **(2023):** “Towards education’s new data-driven era”. Business Graduates Association, London, UK
11. **Badie, F. (2022):** “Values in the Age of Information-based Technologies”, TechnologyDispatch
12. **Badie, F. (2022):** “What does it mean to have a Data-Driven Analysis of our Business Goals?”, Global Banking & Finance Review, GBAF Publications LTD, UK
13. **Badie, F. (2022):** “How to Further Your Team’s Knowledge with Creative Business Conversations”, Business Graduates Association, London, UK
14. **Badie, F. (2022):** “Symbolic Artificial Intelligence and Logic-based Cognitive Modeling of Formal Thought Disorder”, Global Banking & Finance Review, GBAF Publications LTD, UK

Featured Comments

1. TechRound **(2025):** “Are AI Startups Investing In Teachers Learning AI A Good Move For Education?”, UK
2. O’Flaherty, K. **(2025):** “The risks of open source AI models”, IT Pro, UCA. Also republished by Digitpatrox and by Knowledia
3. Rainer, C. **(2025):** “Inside Digital Health” (on Dctolib-Research), Das HANDELSBLATT, Germany
4. Martindale, N. **(2024):** “Quantum computing – what you need to know”, Information Age, London, UK
5. Matthews, D. **(2023):** “What is generative AI and its use cases?”, Information Age, London, UK

Articles in the Gazette of the Berlin School of Business and Innovation

1. **Badie, F. & Kouveliotis, K. (2023):** ”The Future of Artificial Intelligence: Towards Transparent, Ethical, and Human-like Systems”, BSBI Gazette (issue 54)
2. **Badie, F. (2023):** “What are the Risks in the Growth of AI in Educational Systems?”, BSBI Gazette (issue 49)
3. **Badie, F. (2023):** “What is Marketing Automation?”, BSBI Gazette (issue 48)
4. **Badie, F. (2023):** “The Power of Business Intelligence: Enhancing DecisionMaking for Organisations”, BSBI Gazette (issue 41)
5. **Badie, F. (2023):** “Leveraging Information Science and Knowledge Management in Entrepreneurship”, BSBI Gazette (issue 40)

6. **Badie, F. (2023)**: “How does Computational Thinking Support Business Development?”, BSBI Gazette (issue 39)
7. **Badie, F. (2023)**: “Viable System Models and their Roles in Organisational Development”, BSBI Gazette (issue 36)
8. **Badie, F. (2023)**: “What are DSSs and How they Support Business Decisions?”, BSBI Gazette (issue 35)
9. **Badie, F. (2023)**: “From Taylorism to Fordism”, BSBI Gazette (issue 34)
10. **Badie, F. (2022)**: “Different Eras of Operations Management in the Modern World”, BSBI Gazette (issue 22)
11. **Badie, F. (2022)**: “On Vygotsky’s Constructivist Social Learning Theorem”, BSBI Gazette (issue 10)
12. **Badie, F. (2022)**: “A Modern Approach to the Trio [Data, Information, Knowledge]”, BSBI Gazette (issue 7)
13. **Badie, F. (2022)**: “How to Develop Teaching in the ‘Data and Information Science (DIS)’ Learning Programs?”, BSBI Gazette (issue 3)
14. **Badie, F. (2022)**: “Knowledge Management Today”, BSBI Gazette (issue 1)

DISSERTATIONS

1. **Badie, F. (2017)** - Ph.D. Thesis: “A Theoretical Model for Meaning Construction through Constructivist Concept Learning - A Conceptual, Terminological, Logical and Semantic Study within Human-Human-Machine Interactions”. Aalborg University Press, Aalborg, Denmark
2. **Badie, F. (2013)** - M.Sc. Thesis: “Ontologies of Learning based on Conversation Theory”. DEA Library, Faculty of Informatics, University of Debrecen, Debrecen, Hungary
3. **Badie, F. (2007)** - B.Sc. Thesis (in Persian language): “Applications of Data Envelopment Analysis (DEA) in the Analysis of the Interrelationships between Efficiency and Productivity”. Azad University - Tehran Central Branch, Tehran, Iran

TRANSCRIPTIONS

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