DR. FARSHAD BADIE
CURRICULUM VITAE

AREAS OF EXPERTISE

– Formal, Cognitive and Epistemic Logic
– Symbolic Artificial Intelligence
– Knowledge Representation/Modelling & Reasoning
– Conceptual Modelling in Computer Science
– Information and Knowledge Management
– Systems and Operations Management; Management Cybernetics
– Learning Design and Development in Organisations

1 EDUCATION

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

2 PROFESSIONAL EXPERIENCE

ACADEMIC EXPERIENCES

– *Vice-Dean of the Faculty of Computer Science and Informatics* & *Postdoctoral Center Coordinator*, Berlin School of Business & Innovation (BSBI), Berlin, Germany (Jan. **2023** –)
– *Adjunct Professor*, Concordia University Chicago (Colleges of 'Business' and 'Theology, Arts, and Humanities'), USA (Feb. **2022** –)
– *Adjunct Lecturer*, University for the Creative Arts (UCA), Farnham, UK (Feb. **2022** –)
– *Adjunct Lecturer*, Università Telematica Internazionale UNINETTUNO, Italy (Feb. **2022** –)
– *Associate Lecturer & Supervisor*, School of Computing, Arden University, Berlin and UK (July **2021** –)
– *Lecturer & Postdoctoral Center Coordinator*, Faculty of Computer Science & Informatics, Berlin School of Business & Innovation (BSBI), Berlin, Germany (Feb. **2022** - Jan. **2023**)
– *Invited Visiting Lecturer* (I have not accepted the invitation), Faculty of Informatics, Christian-Albrecht University of Kiel, Kiel, Germany (**2022**; Summer Semester)
– *Visiting Researcher*; Research Group '*The Logic of time and Modality*' (under '*Human Centered Science and Digital Technology*' section), Aalborg University, Denmark (Oct. **2022** – Oct. **2023**)
– *Visiting Researcher/Ind. 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 (Oct. **2017** – Oct. **2022**)
– *Secretary & Executive Committee Member* of Nordic Association of Linguists, Aalborg, Denmark (Jan. **2016** - Jan. **2022**)
– *Research Assistant*, (*i*) Research Group 'Natural & Formal Languages', (*ii*) Center for Linguistics, Aalborg University, Denmark (May **2018** - Nov. **2018**)
– *Visiting Research Scholar*, Department of Applied IT, University of Göteborg, Sweden (Nov. **2016**)
– *Lecturer*, Aalborg University, Denmark (Dec. **2014** - May **2017**)
– *Ph.D. Researcher*, Center for Computer-mediated Epistemology and Center for Linguistics, Department of Communication, Aalborg University, Denmark (Oct. **2014** - Aug. **2017**)
– *Research Assistant*, Agile Knowledge Engineering and Semantic Web (AKSW), Institute for Applied Informatics (InfAI), University of Leipzig, Germany (Aug. **2013** - Aug. **2014**)
– *Teaching Assistant* and *Seminar Leader*, Department of Computer Science, Faculty of Informatics, University of Debrecen, Hungary (Sept. **2012** - May **2013**)
– *Teacher* and *Instructor* (in 'Mathematical Sciences'), Colleges and high schools, Tehran, Iran (**2004** - **2010**)

INDUSTRY EXPERIENCES

– *Technical/Scientific Consultant* (in Business Intelligence & Data Analytics), D4tec Company, Aalborg, Denmark (June **2016** - June **2019**)
– *Manager of Information Systems* and *Problem Solver*, Trans Iranian Distribution Company, Tehran, Iran (Sept. **2007** - Sept. **2010**)

3 EDITORIAL BOARD MEMBERSHIP

3.1 INTERNATIONAL 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 *Ω :: = Journal of Formal Languages* (forthcoming), Portugal
4. 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**–)
5. Editorial board member for the *Journal of Artificial General Intelligence*, Artificial General Intelligence Society (AGIS). Sciendo, Poland (**2020**–)
6. Editorial board member for *Open Computer Science*. Walter de Gruyter, Germany (**2019**–)
7. Editorial board member for *Open Education Studies* (in sections 'Educational Philosophy', 'Learning Design', 'Pedagogy'). Walter de Gruyter, Germany (**2018**–)
8. Consulting Editor for *Cybernetics & Human Knowing*: *A Journal of Second Order Cybernetics, Autopoiesis & Cybersemiotics*. Imprint Academic, UK (**2020**–)
9. Editorial board member for the Journal of *Knowledge Structures & Systems (JKSS)*, Portugal (**2020**–)
10. Editorial board member for the Intl. Journal of *Philosophy & Social Sciences (IJPSS)*. Research India Publications, India (**2018**–)

3.2 JOURNALS OF BERLIN SCHOOL OF BUSINESS & INNOVATION

1. Associate Editor & Editorial board member for *Scientific Journal of Human & Machine Learning*, Berlin School of Business & Innovation, Germany (**2022**–)
2. Associate Editor & Editorial board member for *Scientific Journal of Creative and Digital Arts*, Berlin School of Business & Innovation, Germany (**2022**–)
3. Associate Editor of *BSBI Gazette*; Berlin School of Business and Innovation (**2022**–)
4. Editorial board member for *Scientific Journal of Business & Innovation*, Berlin School of Business & Innovation, Germany (**2022**–)

4 BOOKS' & SPECIAL ISSUES' EDITORIAL WORKS

1. Øhrstrøm, P., Jakobsen, D., and **Badie, F.** (**2023**): Latest Edition of "Prior, A. (1957). Time and Modality. Oxford University Press"
2. **Badie, F.** (Editor) and Augusto, L.M. (Co-Editor) (**2022**): "Conceptualisation and Semantic Knowledge", Special Issue of *AI*, MDPI. Basel, Switzerland.
3. Goetzsche, H. (Editor) and **Badie, F.** (Editorial Assistant) (**2018**): "The Meaning of Language". ISBN: 978-1-5275-0542-1. Newcastle: Cambridge Scholars Publishing, UK

5 PRESENTATIONS & TALKS

5.1 KEYNOTE SPEECH

1. **Badie, F.**: Keynote Speaker at the 3rd Intl. Conf. on Mathematical Modeling and Computational Science (ICMMCS) (Feb. **2023**)

5.2 TALKS ON 'LOGIC & ARTIFICIAL INTELLIGENCE'

1. **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**)
2. **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**)
3. **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**)
4. **Badie, F.**: [Online Presentation] "Concepts and Meanings from the Viewpoint of Nominal Conceptualism". UNESCO World Logic Day, FernUniversität, Hagen, Germany (Jan. **2021**)
5. **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**)
6. **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**)

7. **Badie, F.**: "Towards Interaction-based Reasoning Based on Description Logics". Institute for Theoretical Computer Science, TU-Dresden, Dresden, Germany (Jan. **2019**)
8. **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**)
9. **Badie, F.**: "Towards World Identification in Description Logics". ArgDiaP Conf. (Argumentation, Dialogue, Persuasion), Warsaw Argumentation Week, Polish Academy of Sciences, Warsaw, Poland (Sept. **2018**)
10. **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**)
11. **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**)
12. **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**)
13. **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**)
14. **Badie, F.**: "Towards Symbolic Occurrence Logic", the 26th Scandinavian Conf. of Linguistics, Aalborg University, Denmark (Aug. **2015**)
15. **Badie, F.**: "Towards a Formal Occurrence Logic based on Predicate Logic", Logic Colloquium **2015**, University of Helsinki, Finland (Aug. **2015**)
16. **Badie, F.**: "Logical Characterisation of Ontology Construction using Fuzzy Description Logics", Revealing Hidden Knowledge Workshop, Copenhagen Business School, Copenhagen, Denmark (Jan. **2015**)

5.3   TALKS ON 'COMPUTER & INFORMATION SCIENCES'

1. **Badie, F.**: "Mixture Distributions", Faculty of Computer Science and Business Information Systems, University of Applied Sciences Würzburg-Schweinfurt, Germany (Apr. **2021**)
2. **Badie, F.**: [Online Presentation] "Fundamental Concepts of Set Theory", Bernoulli Institute, University of Groningen, Netherlands (Mar. **2021**)
3. **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**)
4. **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**)
5. **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**)
6. **Badie, F.**: "Fuzzy OWL Class Expressions", AKSW Colloquium, Institute for Applied Informatics, University of Leipzig, Leipzig, Germany (Nov. **2013**)
7. **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**)

5.4   TALKS ON 'COGNITIVE & LEARNING SCIENCES'

1. **Badie, F.**: "How to Model a Constructivist Concept-based Teaching Strategy?", Faculty Development Series (FDS), Berlin School of Business and Innovation, Germany (May **2022**)
2. **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**)
3. **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**)
4. **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**)
5. **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**)
6. **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**)
7. **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**)
8. **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**)

9. **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**)
10. **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**)

5.5 TALKS ON 'RESEARCH/TECHNICAL COMMUNICATION ANALYSIS'

1. **Badie, F.** [Online Presentation]: "Data-Driven Application of a Digital Business Framework", XU-Exponential University, Germany (Sept. **2021**)
2. **Badie, F.**: "Towards an Innovative Product Ownership", Bellin GmbH, Ettenheim, Germany (Feb. **2020**)
3. **Badie, F.**: [Online Presentation] "On Research Communication Analysis for Artificial Intelligence". Robert-Bosch Center for Artificial Intelligence, Germany (Aug. **2019**)
4. **Badie, F.**: "On Modern Approaches to Knowledge Representation within Human-Robot Interaction". Honda Research Institute EU GmbH. Offenbach, Germany (July **2018**)

5.6 TALKS ON 'PANELS & ROUNDTABLES'

1. The Provost's Roundtable on "the Future of Energy in Europe", Berlin School of Business and Innovation, Berlin, Germany (Sep. **2022**)
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**)

5.7 DEFENCE

– **Badie, F.**: "A Theoretical Model for Meaning Construction through Constructivist Concept Learning". Ph.D. defence seminar, Department of Communication. Aalborg University, Denmark (Aug. **2017**)

6 SCIENTIFIC COMMITTEE MEMBERSHIP

6.1 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**)

6.2 PANEL MEMBERSHIP & CHAIRMANSHIP

1. Moderator of the thematic unit '*AI, Human-Machine Learning*' at the 1st Intl. Conf. on *Artificial Intelligence (AI for Sustainable e-governance and Business Intelligence)*, Berlin School of Business and Innovation: **2023**
2. Judging panellist (*Computer Science* panel) for the Global Undergraduate Awards: **2021, 2022**
3. Judging panellist (*Education* panel) for the Global Undergraduate Awards: **2020**
4. Judging panellist (*Philosophy* panel) for the Global Undergraduate Awards: **2019**
5. Chairman of the Session for *Artificial Intelligence*, the 9th Intl. Conf. on Agents & Artificial Intelligence, Porto, Portugal: **2017**

6.3 PROGRAM COMMITTEE MEMBERSHIP

1. IEEE Intl. Conf. on *Semantic Computing* (ICSC): **2023**
2. Asia Conf. on *Algorithms, Computing and Machine Learning* (CACML): **2023**
3. Intl. Conf. on *Digitalization and Management Innovation* (DMI): **2022**
4. IEEE Intl. Conf. on *Data Science, Agents & Artificial Intelligence* (ICDSAAI): **2022**
5. Intl. Conf. on *Human Computer Interaction Theory and Applications* (HUCAPP): **2022**
6. Intl. Conf. on Modern Management based on Big Data (MMBD): **2022, 2023**

7. *Artificial Intelligence, Machine Learning and Data Science* World Forum (ArtIntel): **2022**
8. Intl. Workshop on *Metaverse and Artificial Companions in Education and Society* (MetaACES): **2022**
9. Intl. Conf. on *Applications of Big Data and Artificial Intelligence* (ABDAI): **2022**
10. Intl. Conf. on *Knowledge Discovery* (ICKD): **2022**
11. Workshop on *Secure IoT, Edge and Cloud Systems* (SIoTEC): **2022**
12. Intl. Conf. on *Artificial Intelligence Applications and Technologies* (AIAAT): **2022**
13. Int. Development *Informatics* Association (IDIA) Conf.: **2022**
14. Asia *Education Technology* Symposium (AETS): **2022**
15. Intl. Conf. on *Education and Technology* (EDUTEC): **2022**
16. Intl. Conf. on *Robotics, Automation and Intelligent Control* (ICRAIC): **2022**
17. Asia Conf. on *Advanced Robotics, Automation, and Control Engineering* (ARACE): **2022**
18. IEEE Conf. on *Pattern Recognition Systems* (ICPRS): **2021, 2022**
19. Intl. Conf. on *Management and Education Innovation* (ICMEI): **2021, 2022**
20. Intl. Conf. on *Artificial Intelligence, Automation and Algorithm* (AI2A): **2021, 2022**
21. IEEE Intl. Conf. on *Big Knowledge* (ICBK): **2021**
22. IEEE Intl. Conf. on *Knowledge Graph* (ICKG): **2021**
23. IEEE Intl. Workshop on *Distributed and Intelligent Systems* (DaIS): **2021**
24. Intl. Conf. on *Frontiers of Mathematics and Artificial Intelligence* (CFMAI): **2021**
25. Intl. Conf. on *Extending Database Technology* (EDBT) (in collaboration with Microsoft): **2021**
26. Intl. Conf. on *Agents & Artificial Intelligence* (ICAART): **2020, 2021, 2022, 2023**
27. *Computing* Conf. (in collaboration with Microsoft): **2020, 2021, 2022, 2023**
28. Intl. *Artificial Intelligence and Blockchain* Conf. (AIBC); ACM Singapore: **2020, 2021, 2022**
29. IEEE Intl. Conf. on *Semantic Computing* (ICSC): **2020, 2021, 2022**
30. Intl. Conf. on *Education and Management Innovation* (ICEMI): **2020, 2021, 2022**
31. IEEE-Microsoft Future of *Information & Communication Conf.* (FICC): **2019, 2020, 2021, 2022**
32. IEEE Intl. *e-Engineering Education Services* Conf.: **2020, 2021**
33. Intl. Symposium on *Intelligent Robotics and Systems* (ISoIRS): **2020, 2021**
34. European Conf. on *Information Systems* (ECIS) and Associate editorship of '*ICT for Development*' track: **2020**
35. Intl. Congress on *Robotics and Artificial Intelligence* (ICRAI): **2020, 2022**
36. 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**
37. SGAI Intl. Conf. on *Artificial Intelligence* (AI): **2019, 2020, 2021, 2022**
38. *Intelligent Systems* Conf. - IntelliSys (in collaboration with Microsoft): **2019, 2020, 2021, 2022**
39. IADIS Intl. Conf. *Information Systems* (IS): **2019, 2020, 2021, 2022**
40. IADIS Intl. Conf. on *Mobile Learning* (ML): **2019, 2020, 2021, 2022**
41. IADIS Intl. Conf. on *e-Society*: **2019, 2020, 2021, 2022**
42. Intl. Conf. of the Italian Association for *Artificial Intelligence* (AIxIA): **2019, 2020, 2021**
43. Intl. Conf. on *Industrial, Engineering & Other Applications of Applied Intelligent Systems* (IEA/AIE): **2019, 2020, 2021**
44. Intl. Conf. on *Educational Technologies* (ICEduTech): **2019, 2020, 2021**
45. World Multi-Conf. on *Systemics, Cybernetics & Informatics* (WMSCI): **2019, 2020**
46. Intl. Conf. on *Machine Learning and Intelligent Systems* (MLIS): **2019, 2020**
47. KES Intl. Conf. on *Agent & Multi-Agent Systems: Technologies and Applications* (AMSTA): **2019**
48. IEEE Intl. Conf. on *Awareness Science and Technology* (iCAST): **2019**
49. Intl. Conf. on *Fuzzy Systems and Data Mining* (FSDM): **2019**
50. Intl. Conf. on *Electronics, Communications and Networks*: **2019**
51. *Semantics & Philosophy* in Europe 11 (SPE): **2019**
52. Intl. Conf. on *Smart Information & Communication Technologies* (SmartICT): **2019**
53. Intl. KES Conf. on *Intelligent Decision Technologies* (IDT): **2019**
54. KES Intl. Conf. on *Smart Education & E-Learning* (SEEL): **2018, 2019, 2020, 2021, 2022**
55. Intl. Conf. on *ICT, Society & Human Beings* (MCCSIS): **2018, 2019, 2020, 2021, 2022**
56. IEEE - Microsoft *Future Technologies* Conf. (FTC): **2018, 2019, 2020, 2021, 2022**
57. Intl. Conf. on *Cognition & Exploratory Learning in Digital Age* (CELDA): **2018, 2019, 2020, 2021, 2022**
58. Intl. Conf. on *Sensor Networks & Signal Processing* (SNSP): **2018**
59. IDIA Conf. on *Making ICT Research Locally Relevant*: **2018**
60. IEEE Intl. Conf. on *Innovations in Intelligent Systems and Applications* (INISTA), Special Session on Semantic Intelligence (SINTEL): **2017**
61. Intl. Symposium on *Emerging Technologies for Education* (SETE): **2016**
62. Intl. Conf. on *Education & Psychological Sciences* (ICEPS): **2016**
63. The Scandinavian Conf. of *Linguistics*: **2015**

7 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**)

8 CERTIFICATES & INDEPENDENT COURSES

– *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**)

9 LANGUAGES

– Persian (Farsi): Native Language
– English: Full Professional Proficiency
– Arabic: Elementary
– German: Basic

10 AWARDS & SCHOLARSHIPS

– Academic Development Award of Berlin School of Business and Innovation (**2022**)
– Scholarship for Pre-Doctoral Studies (**2013** - **2014**)
– 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**)
– The Best Paper Award: The 3rd Intl. Conf. on Education and Psychological Sciences (ICEPS), Florence, Italy (Feb. **2016**)

A. JOURNAL ARTICLES

A.1. International Journals

1. **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
2. 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". *Change Management*, V. 23, No 1. Pages: 53 - 66
3. **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
4. **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.
5. 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
6. **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
7. **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
8. **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
9. **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
10. **Badie, F.** (**2021**): "Can Knowledge be Quantified and Qualified?". *Journal of Knowledge Structures & Systems (JKSS)*, 2(1). Pages: 63 - 67
11. **Badie, F.** (**2020**): "Logic and Constructivism: A Model of Terminological Knowledge". *Journal of Knowledge Structures & Systems (JKSS)*, 1(1). Pages: 23 - 39
12. **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
13. **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
14. **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
15. ..., ..., ..., 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

A.2. Submitted International Journals

1. **Badie, F.** (**2023**): "NOMINAL CONCEPTUALISM: A STYLE OF THINKING ABOUT CONCEPTS IN AI-BASED DOMAINS"
2. **Badie, F.** (**2023**): "Competency Analysis: The Future of AI in HR Management"
3. **Badie, F.** (**2023**): "Marketing Automation as Digital Ecosystem Development"
4. **Badie, F.** (**2023**): "Mind, Meaning, and the World"
5. **Badie, F.** & Augusto, L. M. (**2022**; submitted): "Shared Conceptualization and Semantic Knowledge as Ontologies"
6. **Badie, F.** (**2022**): "On Possibilistic and Probabilistic Eventual Descriptions in Description Logics"
7. Augusto, L. M. & **Badie, F.** (**2022**): "Shared Conceptualization and Semantic Knowledge: A Fuzzy Model for Real-World Applications"
8. **Badie, F.** (**2022**): "The Qualified Conception Language ($\mathcal{QCL}$) - On Terminological Knowledge Representation based on Qualified Information"

A.3. Journals of Berlin School of Business and Innovation

1. **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
2. 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
3. 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
4. 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

B. BOOK CHAPTERS

1. **Badie, F.** (**2021**; accepted/in press): "On A.N. Prior's Logical System Q". *Logic and Philosophy of Time; Themes from Prior* Book series, Volume 5, Aalborg University Press: Aalborg, Denmark
2. **Badie, F.** (**2021**; 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
3. **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
4. **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
5. **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
6. **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
7. **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
8. **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
9. **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
10. **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
11. **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

C. CONFERENCE PROCEEDINGS

1. **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
2. **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
3. **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
4. **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
5. **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
6. **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
7. **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
8. **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
9. **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

C.1. Abstract Papers for Conferences

1. **Badie, F.** (**2021**): "On Logical Analysis of Agents' Conceptions within their World Descriptions". *Intl. Conf. 'Formal Philosophy 2021'*, Moscow, Russia
2. **Badie, F.** (**2021**): "Concepts and Meanings from the Viewpoint of Nominal Conceptualism". *UNESCO World Logic Day*, FernUniversität, Hagen, Germany
3. **Badie, F.** (**2018**) [in Proceedings]: "Towards World Identification in Description Logics". The *16th ArgDiaP Conf. (Argumentation, Dialogue, Persuasion)*, Warsaw Argumentation Week, Warsaw, Poland
4. **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
5. **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
6. **Badie, F.** (**2018**): "An Epistemic Description Logic". *Intl. Conf. on Formal Philosophy*, Moscow, Russia
7. **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
8. **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
9. **Badie, F.** (**2016**): "Conceptual Description of Inductive Meaning Constructing in Constructivist Interactions between Teacher and Student". The *Creative University Conf.*. Aalborg, Denmark
10. **Badie, F.** (**2016**): "A Constructivist Model of Knowing based on Teacher-Student Dialogues". The Creative University Conf.. Aalborg, Denmark
11. **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
12. **Badie, F.** and Goetzsche, H. (**2016**): "Functional Contingents in Description Logics' World Descriptions", *Logic Colloquium* **2016**. Association for Symbolic Logic. Leeds, UK
13. **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
14. **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
15. **Badie, F.** and Goetzsche, H. (**2015**): "Logical Characterisation of Ontology Construction Using Fuzzy Description Logics". *Revealing Hidden Knowledge Workshop*. Copenhagen Business School, Denmark

D. MEDIA / BUSINESS MAGAZINES

D.1. Media

1. **Badie, F.** (**2023** - accepted/in-press): "What is the Meaning of Machine Intelligence in the Context of Human-Machine Interactions?", Accelerating Focus on Digital Transformation, ...
2. Kouveliotis, K.; **Badie, F.**; Mansuri, M. (**2023**): "Towards education's new data-driven era". Business Graduates Association, London, UK
3. **Badie, F.** (**2022**): "Values in the Age of Information-based Technologies", TechnologyDispatch
4. **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
5. **Badie, F.** (**2022**): "How to Further Your Team's Knowledge with Creative Business Conversations", Business Graduates Association, London, UK
6. **Badie, F.** (**2022**): "Symbolic Artificial Intelligence and Logic-based Cognitive Modeling of Formal Thought Disorder", Global Banking & Finance Review, GBAF Publications LTD, UK

D.2. Comments and Opinions

1. Matthews, D. (**2023**): "What is generative AI and its use cases?", Information Age, London, UK

D.3. Gazette of Berlin School of Business and Innovation

1. **Badie, F.** (**2023**): "What are the Risks in the Growth of AI in Educational Systems?", BSBI Gazette (issue 49)
2. **Badie, F.** (**2023**): "What is Marketing Automation?", BSBI Gazette (issue 48)
3. **Badie, F.** (**2023**): "The Power of Business Intelligence: Enhancing DecisionMaking for Organisations", BSBI Gazette (issue 41)

4. **Badie, F.** (**2023**): "Leveraging Information Science and Knowledge Management in Entrepreneurship", BSBI Gazette (issue 40)
5. **Badie, F.** (**2023**): "How does Computational Thinking Support Business Development?", BSBI Gazette (issue 39)
6. **Badie, F.** (**2023**): "Viable System Models and their Roles in Organisational Development", BSBI Gazette (issue 36)
7. **Badie, F.** (**2023**): "What are DSSs and How they Support Business Decisions?", BSBI Gazette (issue 35)
8. **Badie, F.** (**2023**): "From Taylorism to Fordism", BSBI Gazette (issue 34)
9. **Badie, F.** (**2022**): "Different Eras of Operations Management in the Modern World", BSBI Gazette (issue 22)
10. **Badie, F.** (**2022**): "On Vygotsky's Constructivist Social Learning Theorem", BSBI Gazette (issue 10)
11. **Badie, F.** (**2022**): "A Modern Approach to the Trio [Data, Information, Knowledge]", BSBI Gazette (issue 7)
12. **Badie, F.** (**2022**): "How to Develop Teaching in the 'Data and Information Science (DIS)' Learning Programs?", BSBI Gazette (issue 3)
13. **Badie, F.** (**2022**): "Knowledge Management Today", BSBI Gazette (issue 1)

E. 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

F. TRANSCRIPTIONS

- **Badie, F.**– Arthur N. Prior (1970): "Logical Laws and Truth-Valueless Sentences". *The Virtual Lab for Prior Studies.*
- Prior, M., Sabir, F., Øhrstrøm, P., Jakobsen, D., and **Badie, F.** (**2018**): Seven letters of Arthur N. Prior to Mary Prior. *The Virtual Lab for Prior Studies.*