

Prof. Dr. Ingo Frommholz

PhD (Dr. rer. nat.), Diplom-Informatiker, FBCS, FHEA

Current Positions

Professor of Applied Data Science, Modul University, Vienna, Austria

Adjunct Professor (Lehrbeauftragter) at the Bern University of Applied Sciences, Switzerland

Summary

- Interested in Deep Learning, AI and NLP for user-oriented Information Retrieval and Data Science
- Professor and Head of School of Applied Data Science, Modul University Vienna, Austria
- Founder and head of the Data Science and AI Research group at the University of Wolverhampton.
- Chair, BCS Information Retrieval Specialist Group (BCS-IRSG)
- PhD in Computer Science (Dr. rer. nat., summa cum laude), University of Duisburg-Essen, Germany
- Funding/PI: EU Horizon Europe MSCA Staff Exchange project OMINO on Information Overload (2023-2027, UKRI guarantee funding, total 1,550,200.00€, own part 253,000€); EU H2020 ETN QUARTZ on quantum mechanics and information retrieval (2016-2020, total 3,461,495.04€, own part 546,757.76€); Internally funded RIGHT project on deep learning for digital humanities (since 2023, GBP 612,621). PI of further smaller research and knowledge transfer projects.
- Published more than 100 refereed and unrefereed articles, preprints, reports, proceedings, books and book sections
- Senior managing editor of the International Journal on Digital Libraries (Springer)
- General Chair ACM CIKM 2023, Birmingham (Core-A-ranked conference with 750 delegates)
- Steering committee member, ACM CIKM (Core-A-ranked conference) and ACM SIGIR-ICTIR conference series
- Chair and (senior) programme committee member of several world-leading conferences and journals in Information Retrieval, AI and Digital Libraries
- Organiser of several international workshops (e.g., BIR, BIRNDL, BIRDS, BCS Search Solutions, FDIA) and schools (ESSIR, ASIRF)
- Course and programme co-ordinator for Computer Science, Data Science and Artificial Intelligence undergraduate and postgraduate programmes; module co-ordinator and lecturer in the UK, Austria, Germany, Switzerland, Oman and Jordan of several Computer Science topics at undergraduate and postgraduate level
- Supervised 10 PhD students to successful completion; examiner for 13 PhD candidates in the UK, Denmark, France, Finland, The Netherlands, Italy and Germany
- BCS Fellow (FBCS), ACM Member (SIGIR), Advance HE Fellow (FHEA)
- External examiner, University of Strathclyde, Glasgow, UK and University of Sheffield, UK

Education

2008 **PhD (Dr. rer. nat.) in Computer Science**, *University of Duisburg-Essen*, Duisburg, Germany

2001 **Diplom-Informatiker (MSc Computer Science equivalent)**, *University of Dortmund*, Germany

Professional Experience

03/2025– **Professor of Applied Data Science and Head of School**, *School of Applied Data Science*,
Present *Modul University*, Vienna, Austria

02/2023– **Adjunct Professor (Lehrbeauftragter)**, *School of Engineering and Computer Science*, *Bern*
Present *University of Applied Sciences*, Biel/Bienne, Switzerland

- 12/2020–02/2025 **Reader (Associate Professor equivalent) in Data Science**, *School of Engineering, Computing and Mathematical Sciences, University of Wolverhampton, UK*
- 02/2011–11/2020 **Lecturer/Senior Lecturer**, *School of Computer Science and Technology, University of Bedfordshire, Luton, UK*
- 2012–2018 **Search and Data Science Consultant**, *Self Employed, London, UK*
- 11/2008–01/2011 **Postdoctoral Research Associate**, *Information Retrieval Group, School of Computing Science, University of Glasgow, Glasgow, Scotland*
- 10/2004–10/2008 **Research Assistant**, *Information Systems Group, Faculty of Engineering Sciences, University of Duisburg-Essen, Duisburg, Germany*
- 3/2001–9/2004 **Research Assistant**, *Fraunhofer Integrated Publication and Information Systems Institute (IPSI), Darmstadt, Germany*
- 11/1994–2/2001 **Software Developer**, *Several companies: adesso GmbH, o.tel.o GmbH, Lion Ges. für Systementwicklung mbH, Bochum, Düsseldorf, Dortmund, Germany*

Selected Research and Industry Grants

- 2023–2026 **OMINO**, *University of Wolverhampton & Modul University Vienna, UK*
EU Horizon Europe MSCA Staff Exchange project (guarantee funded by UKRI/EPSC) (total worth GBP 1,342,174 (EUR 1,550,200.00), UoW part GBP 218,036 (EUR 253,000)).
- 2023–2024 **RIGHT – Responsible Digital Humanities Lab**, *University of Wolverhampton, UK*
Internally funded project (worth GBP 612,621).
- 2023–2024 **LASER**, *University of Wolverhampton, UK*
Internally funded PhD project (worth GBP 39,000).
- 2016–2020 **QUARTZ**, *University of Bedfordshire, Luton, UK*
EU H2020 Marie Curie ITN European Training Network (worth GBP 2,996,988 (EUR 3,461,495.04), own part GBP 473,387 (EUR 546,575.76)).
- 2012–2013 **Rising Star**, *University of Bedfordshire, Luton, UK*
Internal Research Investment Rising Star Funding (GBP 6,000).
- 2010–2011 **QONTEXT**, *University of Glasgow, Glasgow, UK*
EU Marie Curie FP7-IRSES project.
- 2004–2006 **CLASSIX**, *University of Duisburg-Essen, Duisburg, Germany*
German Research Foundation (DFG) project.
- 2016–2019 **Drax Technology Ltd**, *University of Bedfordshire, Luton, UK*
Innovate UK Knowledge Transfer Partnership with Drax Technology (worth GBP 134,752).
- 2012–2018 **NotActivelyLooking.com**
Private consultancy project (in collaboration with industry partners, worth ca. GBP 20,000).
- 2016–2017 **Wardown Park Talking Objects**, *University of Bedfordshire, Luton, UK*
With Wardown Park Museum, Luton (Luton Cultural Services Trust, GBP 18,971).
- 2015 **EduVocation**, *University of Bedfordshire, Luton, UK*
Teacher recruitment site and information system based on linked open data (UK Innovation Voucher, GBP 5,000).
- 2013–2015 **Luton Culture World War I project**, *University of Bedfordshire, Luton, UK*
With Luton Museum (UK Lottery Fund, GBP 16,000).
- 2006 **KIIB**, *University of Duisburg-Essen, Duisburg, Germany*
EU-EUREGIO project in collaboration with d.velop AG, Gescher, Germany.

Additional involvement in 10 further international and national research and knowledge transfer projects on information retrieval, digital libraries, digital humanities, risk assessment, cyberstalking, data science (EU H2020, EU-FP5, EU-FP6, EU ERDF, EPSRC, DFG).