

Mark Bowker

EMAIL: markalanbowker@gmail.com

WEBSITE: <http://markbowker.xyz>

CURRENT POSITIONS

Postdoctoral Researcher. Bielefeld University. October 2024–October 2025

PUBLICATIONS

13. A Serpent in the Garden? Published online 2023. Forthcoming in print. *Inquiry*.
12. Keeping Context in Mind: A Non-Semantic Explanation of Apparent Context-Sensitivity. 2024. *Linguistics and Philosophy* 47: 191-209.
11. A Problem for Generic Generalisations in Scientific Communication. 2023. *Journal of Applied Philosophy* 40(1): 123-132.
10. Introducing New Work on Indeterminacy and Underdetermination. 2022. *Synthese* 200(6), 495.
9. As Editor: Topical Collection on 'Indeterminacy and Underdetermination'. 2022. *Synthese*. With Maria Baghramian
8. Shifting Perspective on Indexicals. 2022. *Pragmatics* 32(4): 518-536.
7. Ineliminable Underdetermination and Context-Shifting Arguments. 2022. *Inquiry* 65(2): 215-236.
6. Truth in Fiction, Underdetermination, and the Experience of Actuality. 2021. *British Journal of Aesthetics* 61(4): 437-454.
5. Cognitive Context-Sensitivity. 2021. In C. Penco, A. Negro (eds.) *Proceedings of the 2021 Workshop on Context: Semantics, Pragmatics and Cognition*
4. Saying a Bundle: Meaning, Intention, and Underdetermination. 2019. *Synthese* 196(10): 4229-4252.
3. Underdetermination, Domain Restriction, and Theory Choice. 2019. *Mind & Language* 34(2): 205-220.
2. Rich Situated Attitudes. 2017. With Kristina Liefke. *Lecture Notes in Computer Science*, vol. 10247, New Frontiers in Artificial Intelligence, JSAI-isAI 2016, Kurahashi S., Ohta Y., Arai S., Satoh K., Bekki D. (eds), pp 45-61.
1. Rich Situated Propositions: The 'Right' Objects for the Content of Propositional Attitudes. 2016. With Kristina Liefke. *Proceedings of LENLS 13*: 173–186

EDUCATION

PhD in Philosophy. University of St Andrews. June 2016 and Semantic Underdetermination'
Supervisors: Patrick Greenough, Andy Egan, Herman Cappelen, Josh Dever

Master of Letters (with Distinction) in Philosophy.

University of St Andrews and University of Stirling. November 2011.

Supervisor: Jessica Brown

Master of Arts (First Class Honours) in Philosophy. University of St Andrews. June 2010

PAST POSITIONS

Marie Skłodowska-Curie Fellow. Lund University. September 2022–September 2024

Juan de la Cierva-Incorporación Fellow. University of Barcelona. May 2022 – September 2022

Lecturer in Philosophy. New College of the Humanities (now Northeastern University London). August 2021 – May 2022

Government of Ireland Fellow. University College Dublin. October 2018 – January 2021

External Tutor (Part Time). University of St Andrews. February 2018 – September 2018

Postdoctoral Research Fellow. Munich Center for Mathematical Philosophy (MCMP), Ludwig-Maximilians-Universität, Munich (LMU). August 2016 – November 2017

Associate Researcher. St Leonards School, St Andrews. September 2013 – September 2014

Postgraduate Tutor. University of St Andrews. September 2011 – June 2016

PROFESSIONAL SERVICE

Conference Organisation:

Primary Organiser: Indeterminacy and Underdetermination. UCD. 24th-25th January 2020. With Maria Baghramian

Organising Committee: Situations, Information, and Semantic Content. MCMP, LMU. 16th-18th December 2016. Chair: Kristina Liefke

Referee: Arché/CSMN Graduate Conference 2011-13, St Andrews/Oslo, Arché Graduate Conference 2013-2016 St Andrews; CCC 2020, Warsaw; ECAP 9, Munich

Camera Operator: Perspectives on Philosophical Methodology, University of St Andrews, 30th June – 1st July 2012; Indefinite Extensibility, University of St Andrews, 2nd – 4th Dec 2011

Chair: European Congress of Analytic Philosophy. LMU. August 2017; Situations, Information, and Semantic Content. MCMP, LMU. December 2016; Testimony and Context Workshop. University of St Andrews. May 2016; Arché Reasons Workshop. University of St Andrews. June 2013; Naturalness in Semantics and Metaphysics Workshop. October 2011; Arché/CSMN Graduate Conference. University of St Andrews. October 2011

Comments: Work in Progress Seminar. University of St Andrews. May 2015

Journal Reviewer:

2024: Philosophers' Imprint, Psychological Review, Synthese, Lingua, Philosophical Quarterly

2023: Philosophical Quarterly, Erkenntnis, Analysis, Ergo

2022: The Journal of Philosophy, Res Philosophica, The Journal of Aesthetics and Art Criticism (x2), Philosophical Studies

2021: Philosophical Studies

2020: Ergo, Southern Journal of Philosophy, Mind & Language (x2), Ethical Theory and Moral Practice

2019: Ethical Theory and Moral Practice, Mind & Language

2018: Mind & Language (x2)

2017: Canadian Journal of Philosophy, Inquiry

Boards and Committees:

Bielefeld AI Task Force 2024-25

Editorial Board: *Stance: An International Undergraduate Philosophy Journal* 2009-10

Officer: British Undergraduate Philosophy Society 2009-10

TEACHING

PhD teaching

Social and Political Philosophy of Language. PhD Reading Course. Lund University. Nov. 2022 – Feb. 2023. One student

PhD Course: Generic Generalizations in Science, Ethics and Society. University of Oslo. June 2022. Three days. One/Three 1.2 hour lectures. 7 students. Co-taught with Mirela Mirela Fus-Holmedal and Ravi Thakral.

Master's teaching

Philosophy of Language. New College of the Humanities, London. Jan. – March 2022. Course Leader. Ten 1.5 hour lectures, three 1 hour one-to-one tutorials. 3 students

Philosophy of Mind. New College of the Humanities, London. Sep. – Dec. 2021. Course Leader. Ten 1.5 hour lectures, eleven 1 hour one-to-one tutorials. 11 students

Philosophical Logic. New College of the Humanities, London. Sep. – Dec. 2021. Course Leader. Ten 1.5 hour lectures, one 1 hour one-to-one tutorials. 1 student

Epistemology. New College of the Humanities, London. Sep. – Dec. 2021. Ten 1.5 hour lectures, eight 1 hour one-to-one tutorials. 8 students. Course leader for Epistemology

Undergraduate teaching

What Are Concepts? Bielefeld University. Oct. 2024 – Jan. 2025. Fifteen 1.5 hour seminars. 7 students.

Bad Language: Socially and Politically Significant Speech Acts. Bielefeld University. Oct. 2024 – Jan. 2025. Fifteen 1.5 hour seminars. 9 students.

Philosophy of Language. Lund University. March 2024. Course Leader. Ten 1.75 hour lectures. 9 students

Philosophy of Language. New College of the Humanities, London. Jan. – March 2022. Course Leader. Ten 1.5 hour lectures, ten 1 hour one-to-one tutorials. 5 students

Philosophy of Mind. New College of the Humanities, London. Sep – Dec 2021. Course Leader. Ten 1.5 hour lectures, six 1 hour one-to-one tutorials. 3 students

Philosophical Logic. New College of the Humanities, London. Sep. – Dec. 2021. Ten 1.5 hour lectures, forty-eight 1 hour one-to-one tutorials. 24 students. All students were enrolled in Logic: Formal and Philosophical, which was co-taught with course leader Ioannis Votsis

Epistemology. New College of the Humanities, London. Sep. – Dec. 2021. Ten 1.5 hour lectures, sixteen 1 hour one-to-one tutorials. 9 students. All students were enrolled in Epistemology and Philosophy of Science, which was co-taught with course leader Ioannis Votsis

The Analytic Revolution. University College Dublin. Jan. – May 2019. Sixteen/twenty-four 1.5 hour lectures. 24 students. Course Leader. Co-taught with Marinus Ferreira

Insults, Lies, and Bullshit. Ludwig-Maximilians-Universität, Munich. May – July 2017. Course Leader. Fourteen 1.5 hour lectures. 11 students

As Postgraduate Tutor. University of St Andrews. 2011-2016. Formal logic, Philosophical logic, Epistemology, Philosophy of Mind, Metaphysics, Philosophy of Science, Ethics, Metaethics, Political Philosophy, Ancient Greek Philosophy

High school teaching

Theory of Knowledge. St Leonards School, St Andrews. 2013/14. Series of eight lectures delivered to two classes of high-school students

GRANTS AND AWARDS

Major Grants, approx. value €457,000

Marie Skłodowska-Curie European Fellowship 2021

'Prejudice: Source and Propagation', 101063848

September 2022 – September 2024

Supervisor: Martin Jönsson

Host Institution: Lund University, Sweden

Funding Source: Horizon Europe, European Research Executive Agency

Project role: Sole researcher and primary grant-writer

Value: €206,887.68

Juan de la Cierva-Incorporación Fellowship 2020

'Stereotypes as Hybrid Representations: The Evidential Bootstrapping Hypothesis', IJC2020-043766-I

May 2022 – May 2025 (relinquished in September 2022)

Supervisor: Manuel García-Carpintero

Host Institution: University of Barcelona, Spain

Funding Source: Spanish Ministry of Science and Innovation

Project role: Sole researcher and primary grant-writer

Value: €97,800

Government of Ireland Postdoctoral Fellowship 2018

'Meaning and Meaninglessness: A Nihilist Account of Generics', GOIPD/2018/605

October 2018 – January 2021

Supervisor: Maria Baghramian

Host Institution: University College Dublin, Ireland

Funding Source: Irish Research Council

Project role: Sole researcher and primary grant-writer

Value: €91,846

PhD Studentship 2011-2014

'Saying Nothing: In Defence of Syntactic and Semantic Underdetermination', AH/J500446/1

September 2011 – September 2014

Primary supervisors: Patrick Greenough and Andy Egan

Host Institution: University of St Andrews

Funding Source: United Kingdom Arts and Humanities Research Council

Project role: Sole researcher

Value: £52,230

Further Awards

Conference Funding 2019. Irish Research Council, New Foundations: €5,000

Conference Funding 2019. University College Dublin, Seed Funding: €1,000

Travel Scholarship 2013. University of St Andrews: £1600

Masters Scholarship 2010. University of St Andrews: £4000

Undergraduate Research Internship Programme 2009. University of St Andrews: £1800

PROFESSIONAL DEVELOPMENT

Teaching

Introduction to Oral Assessment. Lund University. Three hour workshop. Leader: Johanna Bergqvist Rydén & Katarina Mårtensson. March 2024

Coaching Techniques in PhD Supervision. 2.5 hour workshop. Lund University. Leaders: Mirjam Godskesen & Gitte Wickman-Hansen. 26th Sep. 2023

Teaching and Learning in Higher Education. 80 hours, equivalent to 3 ECTS credits. Hybrid. Lund University. Jan-May 2023

Detecting, Reporting, and Addressing Cheating Using AI tools. Two-hour seminar. Lund University. Leader: Johanna Bergqvist Rydén. March 2023

Handling the Impact of AI tools – Technical aspects. 2 x two-hour seminar. Lund University. Leader: Rachel Forsyth. Feb. & March 2023

Handling the Impact of AI tools – Educational Possibilities. Two-hour seminar. Lund University. Leader: Rachel Forsyth. Feb. 2023

Handling the Impact of AI tools on Assessment. Two-hour seminar. Lund University. Leader: Rachel Forsyth. Jan. 2023

Teaching and Learning Two-and-a-half-day seminar series. UCD. Dec. 2019-Jan. 2020

Training in Good Academic Practice. Half-day seminar. University of St Andrews. Sep. 2014

Tutoring and Demonstrating. One-day seminar. University of St Andrews. Sep. 2011

Assessment and Academic Misconduct: An introduction. Online training. University of St Andrews. Sep. 2011

Equality and Diversity

See the Human Beyond - The Importance of By-Standers. Lund University. Three hour workshop. Leader: Prof. Tomas Brage. Nov. 2023

Student Diversity Online Training Module. University of St Andrews. Sep. 2014

Statistics and Experiments

Advanced Statistics With R. Auditor on undergraduate course. Bielefeld University. Lecturers: Dr Peter Nabutanyi & Dr Matthias. Spangenberg. Oct. 2024 - Jan. 2025

Social & Behavioral Research - Basic/Refresher. Online Course. CITI Program. July 2023

Experimental Statistics: Design of Experiments. Auditor on undergraduate course. Lund University. Lecturer: Ted Kronvall. March - June 2023

Ethics in Research. Two-hour seminar. Lund University. Leader: Maria Stanfors. March 2023

Personal Data in Research. Online Course. Lund University. Sep. 2022

Personal Data and Data Protection. Online Course. Lund University. Sep. 2022

Statistics II. Online Course. Humanities Lab, Lund University. Feb-June 2021

Outreach and Communication

Developing Research for Funding Bids. One-and-a-half day workshop. Lund University. Leader: Josie Dixon, Lucian Consulting. Nov. 2022

The Conversation media training with Josephine Lethbridge. Lund University. June 2021.

Presenting Your Research Effectively. One-day training programme. UCD. Feb. 2019

Sharing Your Research Interests Through Blogging. One-day seminar. UCD Library. Nov. 2018

RESEARCH VISITS

Visiting Scholar. Cognitive Development Lab, NYU. Jan. 2021-2025. Online attendance at weekly lab meetings

Postdoctoral Researcher. InFraMinds Project, University College Dublin. Attendance at project events. Jan. 2021-25

African Centre for Epistemology and Philosophy of Science (ACEPS). University of Johannesburg. One month in person. July 2023

Rutgers University. Three months in person. Jan 2013 – April 2013

PRESENTATIONS

Public Outreach

Edgelording: Provoking Criticism by Causing Offence. Public Talk. *Lund Philosophical Society*. 7th Dec. 2022

Generalisations about Social Groups. Podcast appearance. *Five Minute Philosophy*. 18th Nov. 2022. <https://anchor.fm/fiveminutephilosophy>

How Should We Talk About the Pandemic? 2022. *Journal of Applied Philosophy Blog*. <http://justice-everywhere.org/health/how-should-we-talk-about-the-pandemic/>

Invited External Presentations

Philosophy of Language and Linguistics. Dubrovnik. Sep. 2025.

Inconvenient Truth: Heuristics and Truth-Value Judgments. Lund-Uppsala Workshop on Philosophy of Language. Uppsala University. 28th Nov. 2024

The Concept of Prejudice. Cognitive Development Lab. New York University. 2nd Oct. 2024

Experimental Results: Generic Testimony and the Bootstrapping Hypothesis. The Semantics and Pragmatics of Indirect Speech Reports. Linguistic and Epistemological Perspectives on Testimony project. Stockholm University. 21st Aug. 2024

Manipulating Generic Agreement. Cognitive Development Lab. New York University. 13th Aug. 2024

Do Generalisations Lead to Entrenched Prejudices? Cognitive Development Lab. New York University. 23th Apr. 2024

Generic Testimony. CONCEPT Brown Bag Seminar. University of Cologne. 10th Jan 2024

Testing the Generic Bootstrapping Hypothesis. Cognitive Development Lab. New York University. 6th Dec. 2023

Experimental Work on Generic Generalisations. Generics Reading Group. Online. 20th Oct. 2023

Experimental Work on Generic Generalisations. Cognitive Development Lab. New York University. 11th Oct. 2023

Do We Need a Theory of Reference? Philosophy of Language and Linguistics, Inter-University Centre Dubrovnik. 4th Sep. 2023

From Observation to Generalisation: An Experimental Study. ACEPS Work-in-Progress Workshop. African Centre for Epistemology and Philosophy of Science, University of Johannesburg. 21st July 2023

From Observation to Generalisation, or There and Back Again. CogSci Seminar. Lund University. 9th May 2023

From Evidence to Prejudice. Cognitive Development Lab. New York University. 28th Mar. 2023

Generalisations about Social Groups. Podcast appearance, *Five Minute Philosophy*. 18th Nov. 2022. <https://anchor.fm/fiveminutephilosophy>

Edgelording: Provoking Criticism by Causing Offence. Public Talk. Lund Philosophical Society. 7th Dec. 2022

Inferential Asymmetry and Social Kinds. Cognitive Development Lab. New York University. 6th Sep. 2022

The Edenic Theory of Reference: A Serpent in the Garden? The Iceland Reference Workshop. University of Iceland. 2nd June 2022

A New Problem for Generic Generalisations in Scientific Communication. Cognitive Development Lab. New York University. 10th May 2022

The Generic Bootstrapping Hypothesis. Cognitive Science Research Group (CSRG). New College of the Humanities, London. 13th Oct. 2021

A Cognitive Approach to Generics Generalisations. Cognitive Development Lab. New York University. 28th July 2021

Edgelords: Provoking Criticism Through Offence. Language Online Workshop. Online. 26th July 2021

Cognitive Context Sensitivity. (Mis)Communication and Context. University of Tartu. Online. 1st July 2021

Edgelords: Inviting Criticism. Boğaziçi University. Online. 17th May 2021

Edgelording. Cognitive Development Lab. New York University. Online. 13th May 2021

Generics for Edgelords. Language in Progress Workshop. Online. 13th April 2021

Generics, Dogwhistles, and Edgelords. St Andrews Diaspora Seminar. 2nd April 2021

Current Studies. NYU, Cognitive Development Lab. New York University. 28th Jan. 2021

The Generic Bootstrapping Hypothesis. Cognitive Development Lab. New York University. 21st Jan. 2021

'Fake News', Expertise, and 'Conspiracy Theories'. St Andrews Diaspora Seminar. 6th Nov. 2020

Generics Fast and Slow. The Edinburgh philosophy of language group (EPLG). The University of Edinburgh. 10th Feb. 2020

Sterken on Generics. Philosophy of Language Group. University of Vienna. 30th Jan. 2020

Generics, Propositions, and Cognitive Structure. Indeterminacy and Underdetermination. University College Dublin. 25th Jan. 2020

The A-Quantifier Test. Arché 20th Anniversary Conference. University of St Andrews. 20th June 2019

How Do We Know What People Mean by the Words They Use? Interview presentation. St Leonards School, St Andrews. 28th Nov. 2013

Saying Nothing. Semantics and Pragmatics at Manchester. University of Manchester. 29th July 2015

Peer-Reviewed Presentations

Generic Generalisations as a Source of Entrenched Prejudice. XXV World Congress of Philosophy. Sapienza University of Rome. August 2024.

Generic Bootstrapping as a Source of Prejudice. Symposium on The Language of Prejudice. 11th European Congress of Analytic Philosophy. University of Vienna. 22nd August 2023

Edgelords. 14th Conference of the Italian Society for Analytic Philosophy. University of Messina. 22nd Sep. 2021

Edgelording: Provoking Criticism Through Offence. Prudence and Politics. MANCEPT, University of Manchester. 10th Sep. 2021

The Generic Bootstrapping Hypothesis. CEPDISC Conference on Discrimination. 20th Aug.

2021

The Context-Sensitivity of Generic Generalisations. 2021 Workshop on Context: Semantics, Pragmatics and Cognition. DAFIST, University of Genoa, Italy. Online. 22nd June 2021

The Generic Bootstrapping Hypothesis. XPhi Europe 2021. Charles University, Prague. Poster presentation. Online. 18th June 2021

The Cognitive Context-Sensitivity of Generic Generalisations. PhiLang 2021. Online. 15th May 2021

Expressive Generics in Scientific Communication. Philosophical Perspectives on Covid-19. The Institute for the Future of Knowledge, University of Johannesburg. Online. 12th May 2021

The Aesthetic Experience of Fictional Truth. American Society of Aesthetics Rocky Mountain Division Meeting. Santa Fe. 12th July 2019

Generics as Hedges. Annual Conference of the Israeli Philosophical Association. Bar Ilan University. 13th Feb. 2019

Generics Without Truth-Conditions. The 2nd Context, Cognition and Communication Conference: Contexts, Concepts, Objects. University of Warsaw. 16th June 2018

Semantic Restrictivism. Fourth Philosophy of Language and Mind Conference (PLM4). Ruhr-Universität Bochum. 22nd Sep. 2017

Reviving Semantic Descriptivism. Ninth European Congress of Analytic Philosophy (ECAP 9). LMU. 25th Aug. 2017

Denying Semantic Content. Situations, Information, and Semantic Content. MCMP, LMU. 16th Dec. 2016

Rich Situated Propositions: The 'Right' Objects for the Content of Propositional Attitudes. Logic and Engineering of Natural Language Semantics (LENLS13). 8th JSAI International Symposium on AI. Keio University, Tokyo. 15th Nov. 2016

Saying Nothing. Semantics and Pragmatics at Manchester. University of Manchester. 29th July 2015

Propositional Equivalence and the Referential/Attributive Distinction. Eighth European Congress of Analytic Philosophy (ECAP 8). University of Bucharest. 1st Sep. 2014

Against Syntactic and Semantic Determinacy. Annual conference of the Israel Philosophy Society. Tel Aviv University. 5th Feb. 2014

Context and Content. 9th National Conference of the Italian Society for Analytic Philosophy (SIFA). University of Padua. 23rd-25th Sep. 2010

Frege's Objections to Mill's Theory of Arithmetic. British Undergraduate Philosophy Society Summer Conference. The University of Warwick. 1st-2nd May 2010

Kaplan's Framework for Indexicals and Explanations of Communication. British Undergraduate Philosophy Society Summer Conference. University of St Andrews. July 2009

Internal Presentations

Experimental Work on Generic Generalisations. Higher Seminar in Theoretical Philosophy. Lund University. 10th Oct. 2023

Edgelordling: Provoking Criticism by Causing Offence. Higher Seminar in Theoretical Philosophy. Lund University. 28th Feb. 2023

Prejudice: Source and Propagation. Department of Philosophy. Lund University. 13th Sep. 2022

Expressive Generics. Work in Progress Seminar. University College Dublin. 14th May 2020

Truth and Paradoxes of Self-Reference. Work in Progress Seminar. University College Dublin. 25th March 2020

Expressive Generics. Work in Progress Seminar. University College Dublin. 14th Nov. 2019

Fictional Characters in the Actual World. Work in Progress Seminar. University College Dublin. 21st Jan. 2019

Generics as Hedges. Work in Progress Seminar. University College Dublin. 17th Oct. 2018

Generic Disagreement. Arché Language & Mind Seminar. University of St Andrews. 15th May 2018

Sainsbury and Tye, 'Seven Puzzles'. Arché Language & Mind Seminar. University of St Andrews. 17th April 2018

Language Without Content. Work-In-Progress Seminar. MCMP, LMU. 18th May 2017

Towards a Rich Situated Account of Semantic Underdetermination. Colloquium in Philosophy, Logic, and Philosophy of Science. MCMP, LMU. 26th Oct. 2016

Contrary Linguistic Theories. Arché Language & Mind Seminar. University of St Andrews. 6th Oct. 2015

Underdetermination. Arché PITT Seminar. University of St Andrews. 27th May 2015

Propositional Equivalence and the Referential/Attributive Distinction. Friday Seminar. University of St Andrews. 3rd Oct. 2014

Yablo's Aboutness. Arché PITT Seminar. University of St Andrews. 24th Sep. 2014

Lackey's Lessons from Lies and Bullshit. Arché Evidence, Justification, and Knowledge Seminar. University of St Andrews. 13th June 2014

Syntactic and Semantic Determinacy. Arché PITT Seminar. University of St Andrews. 19th Nov. 2013

"That's What He Said!" Friday Seminar. University of St Andrews. 25th Oct. 2013

Semantics and Metasemantics. Arché PITT Seminar. University of St Andrews. 1st Oct. 2013

Against the Two-Step Theory. Arché PITT Seminar. University of St Andrews. 4th June 2013

In Defence of the Standard View. Friday Seminar. University of St Andrews. 12th April 2013

On What is Said. Arché PITT Seminar. University of St Andrews. 9th Oct. 2012

The Two-Step Theory. Arché Reading Party. Ardtornish. 28th Sep. 2012

Positional Representation of Context. Arché Contextualism and Relativism Seminar. University of St Andrews. 21st May 2012

What is or Would Be Said. Supervision Seminar. University of St Andrews. 27th March 2012

Papineau on the Poverty of Analysis. Arché Methodology Seminar. University of St Andrews. Nov. 2011

REFERENCES

Martin Jönsson, Associate Professor/Senior Lecturer in Theoretical Philosophy
Lund University
Marie Skłodowska-Curie Supervisor
martin.jonsson@fil.lu.se

Brian Ball, Head of Faculty and Associate Professor in Philosophy
New College of the Humanities, London
Line Manager at New College of the Humanities
brian.ball@nchlondon.ac.uk

Maria Baghramian, Professor of Philosophy
School of Philosophy, University College Dublin
IRC Mentor
maria.baghramian@ucd.ie