

N. J. H. (Ned) Wontner

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Broad Area	Set Theory, General Topology, Philosophy & Foundation of Mathematics	
Specific Interests	Analysis on higher Baire space, real analysis under weak choice principles, analysis in weakenings of ZC, generalisation as a meta-mathematical process.	
Employment	PhD, Universiteit van Amsterdam, ILLC Working title: <i>Generalisations, with a focus on Analysis and Topology</i> Fully funded by the Faculty of Science, UvA	2019-2023 Ongoing
	Promotor & Supervisor: prof. dr. Benedikt Löwe Co-Supervisor: dr. Luca Incurvati	
Education	University of Cambridge , Christ's College <i>Master's of Philosophy</i> , Philosophy	2018-2019
	Master's thesis: <i>Non-Standard Analysis</i> (supervisor: Dr. Tim Button)	
	University of Oxford , Lady Margaret Hall <i>MMathPhil</i> , Master's in Mathematics and Philosophy	2017-2018 First Class
	Mathematics Thesis: <i>Non-Set Theoretic Foundations of Concrete Mathematics</i> (supervisor: Dr. Rolf Suabedissen)	
	Philosophy Thesis: <i>Typed and Untyped Terms in Compositional Semantics</i> (supervisor: Prof. Paul Elbourne)	
	University of Oxford , Lady Margaret Hall <i>Bachelor's Degree</i> , Mathematics and Philosophy	2013-2017 First Class
Teaching Competence	Advanced Courses: Logic, Set Theory, General Topology, Model Theory, Philosophy of Mathematics Basic Courses: Most pure mathematics course, e.g., Calculus, Linear Algebra, Fields & Rings, Analysis, Measure Theory, and Probability. In philosophy: Metaphysics, Epistemology, Philosophy of Language.	
Teaching Experience	Class Tutor , Universiteit van Amsterdam Axiomatic Set Theory (BSc Mathematics) Set Theory: Infinite Combinatorics (MSc Mathematics) Rudiments of Axiomatic Set theory (MSc Logic) Axiomatic Set Theory (BSc Mathematics) Set Theory: Permutation Models (MSc Mathematics) Rudiments of Axiomatic Set theory (MSc Logic)	2021 2020 2020 2020 2019 2019
	Tutor , University of Cambridge Formal Methods: Logic & Probability (BA Philosophy)	2018-2019
Supervision Experience	Bachelor's Project Supervisor , Universiteit van Amsterdam 2 second year students (BSc Mathematics): <i>Non-standard Analysis</i> .	2020

Other Academic Experience	Founder & Coordinator , FPoM Group, University of Cambridge	2018-2019
	Chair , Cambridge Logic & Philosophy of Mathematics Graduate Conference	2019
Papers	<i>Axiomatic Ecology</i> , in preparation.	
	<i>Topological Models of Set Theories</i> , in preparation.	
	<i>Analysis in Higher Baire Spaces</i> , in preparation.	
	<i>Mathematicians' Perceptions of "Generalisation" in Mathematics</i> , in preparation.	
	<i>Non-Standard Analysis</i> , MPhil thesis, Faculty of Philosophy, University of Cambridge (supervisor: Dr. Tim Button), 2019.	
	<i>The Mechanics of Thought Experiments</i> , MPhil paper, Faculty of Philosophy, University of Cambridge (supervisor: Prof. Alex Oliver), 2019.	
	<i>Genuinely Mathematical Incompleteness</i> , MPhil paper, Faculty of Philosophy, University of Cambridge (supervisor: Prof. Michael Potter) 2018.	
	<i>Non-Set Theoretic Foundations of Concrete Mathematics</i> , MMathPhil dissertation, Mathematics Institute, University of Oxford (supervisor: Dr. Rolf Suabedissen), 2018.	
	<i>Typed and Untyped Terms in Compositional Semantics</i> , MMathPhil thesis, Faculty of Philosophy, University of Oxford (supervisor: Prof. Paul Elbourne), 2018.	
Recognition	Set Theory & Topology PhD Grant , Winter School in Abstract Analysis	2020
	Sizar's Grant , Christ's College, University of Cambridge	2019
	Graduate Scholarship , Christ's College, University of Cambridge	2018
	Gibbs Prize , University of Oxford	2018
	Master's Scholar , Lady Margaret Hall, University of Oxford	2017
	Undergraduate Scholar , Lady Margaret Hall, University of Oxford	2016
	Michael B. O'Sullivan Bursary , Lady Margaret Hall, University of Oxford	2014
Talks	Set Theories through Ordinary Mathematics	
	Forschungsseminar Mathematische Logik, Hamburg, 29/4/2020	
	Should We Believe in Hyperreals?	MPhil Seminar, Cambridge, 15/05/2019
	Williamson and Thought Experiments	MPhil Seminar, Cambridge, 28/02/2019
	Genuinely Mathematical Incompleteness	FPoM, Cambridge, 2/11/2018
	Non-Set Theoretic Foundations of Concrete Mathematics	Oxford, 09/03/2018
Languages	Native English, some French, basic German, Dutch, Mandarin, & Arabic	
References		

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