

HUGH DESMOND
- Curriculum Vitae -

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Affiliation: IHPST/CNRS, Paris
Department of Philosophy, University of Antwerp
Email: hugh.desmond@gmail.com
Website: www.hughdesmond.net
Date of Birth: 17 August, 1986
Nationalities: Ireland, USA, Belgium
Personal: married, 4 children

Areas of Specialization: Philosophy of Biology, Philosophy of Science, Moral Psychology, Social Epistemology, Bioethics, Research Ethics and Integrity.
Areas of Competence: Metaethics, Philosophy of Cognition, Philosophy of Action, Philosophy of Technology.

EMPLOYMENT

2019 – Assistant Professor at the University of Antwerp (10% position)
2021 – Postdoctoral Researcher at Institut d’Histoire et de la Philosophie des Sciences et Techniques (IHPST), CNRS, Paris.
2017 – 2021 Postdoctoral Researcher at KU Leuven (Institute of Philosophy and Centre for Biomedical Ethics)

EDUCATION

2011 – 2016 Ph.D. in Philosophy, Katholieke Universiteit Leuven, *summa cum laude*
Title: Life’s Plot: Contingency and Symmetries in Evolutionary History
2004 – 2011 Six degrees: Physics with minor in Mathematics (B.S.) at the KU Leuven, Philosophy (B.A., M.A., M.Phil.) at the KU Leuven, and Music Performance (B.A., M.A.) at the Royal Conservatory of Brussels. This was done by taking on approximately twice the number of credits (13 years compressed into 7).

PUBLICATIONS

a. Edited Books

- [1] (forthcoming) *Human Success: Evolutionary Origins and Ethical Implications*. Oxford University Press. (With Grant Ramsey.)
- [2] (under contract) *Evolutionary Thinking Across Disciplines: Problems and Perspectives in Generalized Darwinism*. Editors: Agathe du Crest, Martina Valković, André Ariew, Hugh Desmond, Philippe Huneman & Thomas A.C. Reydon. Springer

b. Peer-reviewed Articles

- [3] (2021) The Selectionist Rationale for Evolutionary Progress. *Biology and Philosophy*. DOI: 10.1007/s10539-021-09806-1
- [4] (2021) Trust and Professionalism in Science: Medical Codes as a Model for Scientific Negligence? BMC Biomedical Ethics. (With Kris Dierickx.) DOI: 10.1186/s12910-021-00610-w
- [5] (accepted) The Service View on Enhancement: A New Evolutionary Perspective. *The Hastings Center Report*.
- [6] (2021) Precision Medicine, Data, and the Anthropology of Social Status. *American Journal for Bioethics*, 21(4): 80-83. DOI: 10.1080/15265161.2021.1891345
- [7] (2021) Research Integrity Codes of Conduct: Mapping the Divergences. *Bioethics*. DOI: 10.1111/bioe.12851. (With Kris Dierickx.)
Featured in Science on March 10, 2021:
<https://www.sciencemag.org/news/2021/03/what-research-misconduct-european-countries-can-t-agree>
- [8] (2021) On the Ubiquity of Heterogeneity Adaptations. *Biological Theory*. DOI: 10.1007/s13752-021-00373-y
- [9] (2021) Expert Communication and the Self-Defeating Codes of Scientific Ethics. *American Journal of Bioethics*. DOI:10.1080/21507740.2020.1830874
- [10] (2021) Incentivizing Replication is Insufficient to Safeguard Default Trust. *Philosophy of Science*. <http://philsci-archive.pitt.edu/18661/1/2021%20-%20Philosophy%20of%20Science%20-%20Credit-maximization%20and%20Trust.pdf>
- [11] (2020) Service and Status may Help Explain Perceived Ethical Acceptability. *The American Journal of Bioethics – Neuroscience*. DOI: 10.1080/21507740.2020.1830874
- [12] (2020) Professionalism in Science: Competence, Autonomy, and Service. *Science and Engineering Ethics*, 26(3): 1287-1313. DOI: 10.1007/s11948-019-00143-x
- [13] (2019) Shades of Grey: Granularity, Pragmatics, and Non-Causal Explanation. *Perspectives on Science* (MIT Press), 27(1): 68-87. DOI: 10.1162/posc_a_00300
- [14] (2018) Natural Selection, Plasticity, and the Rationale for Largest-Scale Trends. *Studies in History and Philosophy of Science C*. DOI: 10.1016/j.shpsc.2018.04.002
- [15] (2018) Natural Selection: Deriving Causality from Stable Equilibrium. *Erkenntnis*. DOI: 10.1007/s10670-017-9889-z
- [16] (2017) Symmetry breaking and the emergence of path-dependence. *Synthese*. DOI: 10.1007/s11229-016-1130-0
- [17] (invited) Academic Status in a Digital Age: Invisible Barriers to Open Science. *Synthese* (special issue).
- [18] (forthcoming) Status Distrust towards Scientific Experts. *Social Epistemology*. (special issue)

c. Book chapters

- [19] (invited) Engineering Trust Online: Algorithms, Cognitive Biases, and the Role of Ethics. In: Alfano, M. (ed), *The Moral Psychology of Trust*. Rowman and Littlefield

- [20] (invited) The Generalized Environment. In: du Crest et al. (ed), *Evolutionary Thinking Across Disciplines: Problems and Perspectives in Generalized Darwinism*. Springer.
- [21] (invited) Sexual Selection as an Agential, not Selective Mechanism. In: Gayon, E., Huneman, P., Petit, V., Veuille, M. (eds). *150 Years of the Descent of Man*. Springer.
- [22] (forthcoming) Enhancement and Success: Beyond Techno-Libertarianism. In: Desmond, H., & Ramsey, G. (eds), *Human Success: Evolutionary Origins and Ethical Implications*, Oxford: Oxford University Press.
- [23] (forthcoming) Generalized Evolutionary Success and Human Evolution. In: Desmond, H., & Ramsey, G. (eds), *Human Success: Evolutionary Origins and Ethical Implications*, Oxford: Oxford University Press.
- [24] (2020) The Ontology of Organismic Agency: A Kantian Approach. In: Altobrando, A., Biasetti, P., (eds.) *Natural Born Monads: On the Metaphysics of Organisms and Human Individuals*. Berlin: De Gruyter. (With Philippe Huneman.)
- d. **Monographs (Public Philosophy)**
- [25] (under contract) *Relationships and Trust*. (Relaties en Vertrouwen.) Pelckmans
- [26] (under contract) *Vertrouwen in wetenschap en wetenschappers*. Antwerp: Letterwerk.
- e. **Reference Works**
- [27] (2017) Philosophy of Biology. *Oxford Bibliographies in Philosophy*. Oxford: Oxford University Press. (With Grant Ramsey.)
- f. **Articles for Philosophical Magazines or Bulletins**
- [28] (accepted) Towards an Ethics of Expert Communication. *Maja: Magazine of the Young Academy*. Special issue with 10 best essays for the Essay Prize “Anticipating life after the COVID-19 pandemic”
- [29] (2020). Weerbarstige ervaringen bij niet-biologische ouderschap. Podium voor Bioethiek. June 2020.
- [30] (2013). Waarom Bergson geen vitalist is. *Filosofie*, 23 (5), 18-24.
- g. **Invited Book Reviews**
- [31] (2020) Moffett, Mark W. *The Human Swarm: How Our Societies Arise, Thrive, and Fall*. Basic Books. *The Quarterly Review of Biology*, 95(4): 341. DOI: 10.1086/711784
- [32] (forthcoming) Ruse, Michael. *On Purpose*. Princeton: Princeton University Press. Reviewed for: *Science and Education: Contributions from the History and Philosophy of Science and Mathematics*.
- g. **Media pieces**
- [33] (2021) Waar komt de babybust vandaan? (On how status competition is contributing to the babybust) *Eos – Psyche & Brein*. URL: <https://www.eoswetenschap.eu/psyche-brein/waar-komt-de-babybust-vandaan>
- [34] (2018) It’s not a coincidence that monogamous marriage is a huge success (Het monogaam huwelijk is niet toevallig een enorm succes) *De Standaard* (June 28, 2018) URL: http://www.standaard.be/cnt/dmf20180627_03586481
- [35] (2017) Why scientific research increasingly resembles Tinder (Hoe wetenschappelijk onderzoek steeds meer op Tinder lijkt) *Knack* (May 26, 2017) URL:

<http://www.knack.be/nieuws/belgie/hoe-wetenschappelijk-onderzoek-steeds-meer-op-tinder-lijkt/article-opinion-857859.html>

[36] (2017) Evolution: a big mess? *Campuskrant KU Leuven*. URL: <https://nieuws.kuleuven.be/nl/campuskrant/1617/06/de-evolutie--een-zootje-geregeld>

[37] (2013) Porno is junkfood van de seksualiteit. *De Standaard*. URL: http://www.standaard.be/cnt/dmf20130729_00674566

h. Under Review

[38] Fitness Commensurability Problem. Under review for *Australasian Journal of Philosophy* (with Grant Ramsey)

[39] Relational Trust and Social Media. Under review for *Analysis*

[40] Why We Should Rethink Philosophical Professionalism. Under review for the *Journal of the APA*.

[41] Clinical Equipoise: Still the Gold Standard? Under review for the *Journal of Medical Ethics*. (with Charlemagne Folefac)

[42] Evolutionary Thinking Across Disciplines: Problems and Perspectives in Generalized Darwinism. Edited Volume under review for *Springer (Synthese Library)*. Editors: Agathe du Crest, Martina Valković, André Ariew, Hugh Desmond, Philippe Huneman & Thomas A.C. Reydon

RESEARCH VISITS

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| 2020 | 2-week stay at The Hastings Center (New York, USA), to work on evolution and ethics of human enhancement |
| 2015 | Research Stay at New York University (3 months; part of PhD education) |
| 2012-2013 | Visiting student research collaborator at Princeton University (full academic year; part of PhD education) |

AWARDS AND PRIZES

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| 2019 | FWO grant to hire 1 PhD student to work on “The Professionalization of Science: Analysis and Normative Implications” (197.000 EUR; co-PI with Kris Dierickx as PI, based on [6] in publications) |
| 2019 | FWO grant for research visit to the Hastings Center (1250 EUR) |
| 2019 | NSF Travel Grant for the 2019 ISHPSSB conference in Oslo, NO. (450 USD) |
| 2018 | FWO Travel Grant for the 2018 Philosophy of Science Association conference in Seattle, WA. (1100 EUR) |
| 2018 | NSF Travel Grant for the 2018 Philosophy of Science Association conference in Seattle, WA. (1000 USD) |
| 2016 | NSF Travel Grant for the 2016 Philosophy of Science Association conference in Atlanta, GA. (700 USD) |

- 2015 Travel Grant from ISHPSSB for the 2015 meeting in Université du Québec à Montréal, Canada (1100 USD)
- 2015 Travel Grant for the conference ‘Explaining and Explaining Away in Science and Religion’ from Ulster University. (300 EUR)
- 2014 Travel Grant from Centre for the History of European Discourses (Brisbane, Australia) for the conference ‘Evolution and Historical Explanation’. (500 AUD)
- 2012-2013 ‘Herman Van Waeyenbergh of the Hoover Foundation’ Fellowship from the Belgian American Educational Foundation (20,000 USD).
- 2011 ‘Colonel and Madam Bisschop-Matthijsens’ Prize for Outstanding Merit from the Royal Conservatory of Brussels (800 EUR)
- 2011-2016 Personal PhD fellowship from Research Fund – Flanders (FWO; ca. 200.000 EUR).

TEACHING

Teaching training: a basic course on teaching professionalization and course design (KU Leuven; 2020)

- 2021 – 2022 Philosophy and Society
Islam in Europe
- 2020 – 2021 Applied Ethics (primary instructor)
Ethics (primary instructor; day program)
Ethics (primary instructor; evening program for working professionals)
- 2019 – 2020 Philosophy and Society: Trust and Distrust in Science and Between Genders.
(primary instructor; Taught in Dutch.)
- 2018 – 2019 Philosophy and the Contemporary World: The Feminism and the Evolution of Monogamy (3 classes, primary instructor)
- 2017 – 2018 Ethics of Cognitive Enhancement (3 classes, primary instructor)
Philosophy of Science (1 semester, primary instructor)
Ethics of Human Enhancement (2 classes, primary instructor)
- 2016 – 2017 Metaphysics seminar (1 semester, primary instructor)
- 2015 – 2016 Philosophical Anthropology seminar (1 semester, primary instructor)
- 2014 – 2015 Introduction to Logic, Exercises (1 semester, teaching assistant)
- 2013 – 2014 Research and Writing Tutorial (2 semesters, primary instructor)

SUPERVISION

As PhD supervisor

- 2020 – ‘24 Jacopo Ambrosj. The Professionalization of Science. Joint PhD at KU Leuven (supervisor: Kris Dierickx) and University of Antwerp (supervisor: Hugh Desmond)

Bachelor and Master students

- 2020-'21 Joline Joostens (MA) : The concept of virtù in Machiavelli
Filip Baeyens (MA) : Virtue Ethics and Radical Uncertainty in Nassim Taleb
Lien Van Lommel (BA) : Trust and Socioeconomic Status
- 2019-'20 Jella Bal. The ethics of monogamy and polyamory (BA)
Folefac Charlemagne. The impact of financial incentives on the ethics of clinical trials: the concept of equipoise (MA)
- 2018-'19 Minnema, Roosmarijn. Research Capacity Building in HIV Partnerships: A Systematic Literature Review (MA)
- 2016-'17 Bogacz, Magda. Revisiting the Replicability Crisis. (MA)

Membership of Defense Committees:

- 2020: 2 defense committees of BA students; 6 defense committees of MA students
- 2019: 4 defense committees of BA and MA students
- Pieter de Petter. (2018). The Singularity. (supervisor: Roger Vergauwen.)
- Lovro Savic. (2018). Broadening the Scope of Public Health: Do We Need Public Mental Health Ethics? (supervisor Yvonne Denier)
- Daniel Pizzolato. (2018). Evaluating the Use of Placebo-Controlled Trials in Developing New Cancer Treatments: Placebos in Immunotherapy Clinical Trials. (supervisor: Kris Dierickx.)
- Lars Krekt. (2017). Politics in Hannah Arendt. (supervisor: Luc van Liedekerke.)
- Kasper Vancanneyt. (2017). Nietzsche and philosophy of music. (supervisor: Dennis Van Den Auweele.)

PEER-REVIEWED and INVITED PRESENTATIONS

1. 'Incentivizing Replication is Insufficient to Safeguard Default Trust'. PSA biannual conference. Baltimore. November 2021.
2. 'The Generalized Environment.' Expert workshop on Generalized Darwinism. Paris. October 2021.
3. 'Online Trust and Mental Health: Towards a Virtue Ethics of Social Media.' Royal Institute of Philosophy Public Philosophy Festival 2021. Cardiff. September 2021.
4. 'Causation as a Tool for Intelligibility.' Conference on 'Physics, Time and Agency'. Trinity College Dublin. July 2021
5. 'Trustworthiness of Professions: Why Status is Subordinate to Service'. Conference on the Social Indicators of Trust. Peritia consortium, École Normale Supérieure. June 2021.
6. Agential explanations. Invited talk for "The Return of the Organism in the Biosciences: Theoretical, Historical and Social Dimensions" research group at Ruhr University Bochum. March 2021.

7. Academic Status and Invisible Barriers to Open Science. Online conference on Digital Studies of Digital Science. March 2021
8. Trustworthiness of Professions: Why Status is Subordinate to Service. ‘Social Indicators of Trust’. Peritia consortium, École Normale Supérieure. (Online), October 2020.
9. ‘Incentivizing Replication is Insufficient to Safeguard Default Trust.’ Conference on ‘The Replicability Crisis? Philosophical, Legal and Social Perspectives’. Lyon. October 2020 (online)
10. ‘Professionalism in science: competence, autonomy and service.’ REWARD | EQUATOR Conference, Berlin, February 2020.
11. ‘Science Policy Makers Need Guidelines on Research Integrity Codes.’ REWARD | EQUATOR Conference, Berlin, February 2020.
12. ‘The Service View on Enhancement’. Lunch-time talk at the Hastings Center, NY. January 2020.
13. ‘The Environment in Human Evolution’. Lecture at the Konrad Lorenz Institute, Vienna. December 2019.
14. ‘Understanding the Social Structure of Science: Ethics versus Game Theory’. CLPS Seminar, KU Leuven. November 2019.
15. ‘Wars in Meta-Ethics: Units of Selection versus Agency’. Workshop on Origins of Unfairness. University of Zurich. October 2019
16. ‘Agency and Environmental Novelty’. European Society for the Philosophy of Science. University of Geneva, Switzerland. September 2019.
17. ‘Agency and Environmental Novelty’. International Society for History, Philosophy and Social Studies of Biology, University of Oslo, Norway. July 2019.
18. ‘Enhancing Human Evolution: Competitive and Agential Success’. Conference ‘Human Success: Evolutionary Origins and Ethical Implications’. KU Leuven. June 2019.
19. ‘Moral and Professional Models of Self-Regulation among Scientific Codes of Conduct in Europe’. World Congress on Research Integrity, Hong Kong. June 2019.
20. ‘The Selective Environment as the Arena of Phylogenetic Competition’. Consortium for the History and Philosophy of Biology. IHPST – CNRS, France. May 2019.
21. ‘Trust and Professionalism in Research’. Workshop on Self-Regulation in Science. KU Leuven. May 2019.
22. ‘Shades of Grey: Granularity, Pragmatics, and Non-Causal Explanation’. German Society for the Philosophy of Science. February 2019.
23. ‘The Selectionist Rationale for Evolutionary Progress’. CLPS Seminar, KU Leuven. February 2019.
24. ‘The Selectionist Rationale for Evolutionary Progress’. CEFISES Seminar, UC Louvain. December 2018.
25. ‘Critiquing Interventionism: Nonlinear Systems, Control, and Fragility’. Philosophy of Science Association Conference 2018. Seattle, WA. November 2018.
26. ‘Science Self-Regulation: Is Incompetence a Form of Misconduct?’ EACME Annual Conference. Amsterdam, Netherlands. September 2018.

27. Invited commentary on Zita Toth's 'On the Supposed Necessary Connection between Causes and Effects'. KU Leuven.
28. 'Delineating the Cultural Selective Environment'. The Generalized Theory of Evolution Conference. Düsseldorf, Germany. March 2018.
29. 'Science Self-Regulation: Is Incompetence a Form of Misconduct?' Printeger Conference. Bonn, Germany. February 2018.
30. Against Interventions as Regulative Ideal: The Fragility of Nonlinear Feedback Relations. Invited lecture, University of Antwerp, Belgium. January 2018.
31. Invited commentary on David Kinney's 'Choosing a Level of Causal Description: A Pragmatic Approach'. Society for Metaphysics of Science Annual Conference. Fordham University, New York, NY. November 2017.
32. 'Delineating the Cultural Selective Environment'. Workshop 'General Formulations of Evolutionary Theory', IHPST, Paris. November 2017.
33. 'Interventionism and Pernicious Idealization of Complex Systems' European Congress for Analytic Philosophy. Munich, Germany. August 2017.
34. 'Success and Reason: A New Darwinian Dilemma for Moral Realism'. Michael Ruse workshop. KU Leuven, Belgium. May 2017.
35. 'Decoupled Representations and Whole-Organism Plasticity'. Workshop on Philosophy of Biology and Cognitive Science. Murcia, Spain. May 2017.
36. Debunking Morality: The View from Human Evolutionary History. CLAW seminar, KU Leuven, Belgium. March 2017.
37. 'Complexity and Generalization in the Special Sciences' Philosophy of Science Association Conference 2016. Atlanta, GA. November 2016.
38. 'Complexity and Generalization in the Special Sciences' Philosophy of Science in a Forest. Kaap Doorn, Netherlands. May 2016.
39. 'Natural selection: deriving causality from equilibrium' European Philosophy of Science Association Conference 2015. Düsseldorf. September 2015.
40. 'Does Natural Selection Imply We Are Contingent?' 2015 Ian Ramsey Centre Conference, 'The Human Difference?' Oxford University. July 2015.
41. 'Global Directionality and Behavioral Flexibility'. International Society for History, Philosophy and Social Studies of Biology, Université du Québec à Montréal. July 2015.
42. 'Natural selection: deriving causality from equilibrium' British Society for the Philosophy of Science Manchester University. July 2015.
43. 'Directional Evolution'. Explaining and Explaining Away in Science and Religion. University of Ulster. January 2015.
44. 'Probabilistic Explanation is not about Probability'. European Congress for Analytic Philosophy, Bucharest University. August 2014.
45. 'Scales of Analysis and Evolutionary Explanation'. Evolution and Historical Explanation, CHED-IRC. Oxford University. July 2014.
46. 'Probability Size and Scales of Analysis', Graduate Conference on Probability, London School of Economics. June 2014.

47. ‘Natural Selection and Emergent Causality’. Graduate Conference in Theoretical Philosophy, VU Amsterdam. May 2014.
48. ‘Intelligence as Statistical Attractor’. The Soul Conference, Oxford University. June 2013.

SERVICE TO SOCIETY

Trust and autism: a series of three workshops, given to the Flemish Association for Autism, about the epistemology and ethics of trust, tailored for the needs of people with autism. April and May 2021.

SERVICE TO THE PROFESSION

Research Integrity Consultation and Workshops

4 sessions co-led with Karin Sipido for PhD students in biomedical sciences: *January 2019, April 2019, February 2020, June 2020*

Research Integrity trainings “Train the Trainer”: showing research integrity officers how virtue ethics can be used in research integrity education (4 groups in Belgium, Luxemburg, and France: October, November, and December 2020).

Reviewer for following journals:

Biology and Philosophy (x4); Mind; Studies in History and Philosophy of Science C (x5); Dialectica; Philosophical Studies; Journal of the American Philosophical Association; Ethical Perspectives (x2); British Journal for the Philosophy of Science; Ergo; Science and Engineering Ethics (x2); Medicine, Health Care and Philosophy; Philosophy, Theory, Practice in Biology; Theoretical Medicine and Bioethics; History and Philosophy of the Life Sciences; Philosophia Scientiae; PLOS One

Reviewer for Funding Associations

Research Grants Council Hong Kong (x6).

Conference Organization

- 06/2019 ‘Human Success: Evolutionary Origins and Ethical Implications.’ Keynote speakers: Peter Richerson (UC Davis), Marion Hourdequin (Colorado College), Matt Grove (Liverpool University), Bernd Rosslenbroich (Witten/Herdecke University), Susan C. Antón (NYU), Hugh Desmond (KU Leuven). *Architect and lead organizer.* Funding awarded: 3 grants totaling 4.000 EUR.
- 05/2019 ‘Science self-regulation: between marketization, bureaucratization, and professionalization’. *Architect and lead organizer.* Funding awarded: 1 grant totalling 1.000 EUR
- 06/2018 Historical and Scientific Explanation: Reconceiving the Connection. KU Leuven. Keynote speakers: Michael Strevens (NYU), Philippe Huneman (CNRS-Paris I), Sylvia Wenmackers (KU Leuven). *Architect and lead organizer.* Funding awarded: 3 grants totaling 3.500 EUR.

Symposium Organization

- 09/2019 ‘Is Agency a Mere Heuristic?’ Symposium for the EPSA Conference. *Lead organizer.*

07/2019 'Is Agency a Mere Heuristic?' Symposium for the ISHPSSB Conference. *Lead organizer.*

SELECTED EXPERIENCE IN OTHER DOMAINS

Science, Philosophy, and Music

2016 Founding of the non-profit *Doppio Stile* vzw dedicated to interdisciplinary projects on music, philosophy, and science

Physics

2006 SULI undergraduate summer internship
Stanford Linear Accelerator Center, Stanford University, California, USA

Music (hughdesmond.com)

2019 Series of solo performances with the PianoFest Festival Orchestra.

2019 Performances of *Music of the Stars*, interdisciplinary project of *Doppio Stile* in collaboration with astrophysicist Katrien Kolenberg.

2013 Second-prize winner at 10th International Music Competition 'Premio Citta' di Padova'.

2013-present Duo 'Doppio Stile' with pianist Waldo Geuns: doppiostile.net

2012-present Pianotrio 'De Drij Coppen' with Stijn Kuppens and Waldo Geuns: dedrijcoppen.com

2011 Leader of second violins and replacement concertmaster of Frascati Symphonic/Ataneres Ensemble

2011-2014 Freelance violinist for orchestras in Belgium (Brussels Philharmonic, Le Concert Olympique)

2011 Head Concertmaster of Lucerne Festival Orchestra Academy, directed by Pierre Boulez and Peter Eötvös

LANGUAGES

English: Native language

Dutch: Native language

French: C1

Italian: Conversational

German: Basic Knowledge

Latin: reading knowledge

IT SKILLS

Programming languages: Java

Mathematical/statistical analysis and numerical simulation: Maple, SAS, MATLAB

Document preparation: LaTeX