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# DR. CADELL LAST, PH.D (SCIENCE, PHILOSOPHY, POLITICAL SCIENCE)

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## Profile

General thinker and philosopher interested in working with ideas from an interdisciplinary perspective in order to actively engage human existence and evolution meaningfully.

## Professional Experience

### **Founder, Creator, Philosophy Portal; Online. — 2021-Present**

Founder and creator, as well as teacher and facilitator, of an online education platform focused on explicating the foundational texts of modern philosophy for a new online generation.

### **Author, Research, Bullgod Kommunikations; Stockholm, Swe. — 2021-2022**

Author, Researcher co-creating a philosophical treatise on metaphysics inspired by the works of German Idealism, post-modern existentialism the continental tradition, and focused on the phenomenon of negativity.

### **Director of Psychedelic Research, New Leaf Canada; Hamilton, On. — 2020-2022**

Director of Psychedelic Research organising studies on the effects of psychedelics on the body and mind, and leading advances in therapeutic methods and practice pre/post-effects of psychedelic experiences.

### **Academic lecturer, Vrije Universiteit Brussel; Brussel, Be. — 2019-Present**

Academic lecturer within the School of Thinking (SOT) at the Vrije Universiteit Brussel (VUB), a program focused on the exploration of self-reflective thought as it applies to the cultivation of advanced intelligence to approach global culture.

### **Post-doctoral research, Bertalanffy Center for the Study of Systems Science; Vienna, Au. — 2019**

Researcher focused on the study of systems science as it relates to subjective development and global civilisation. Engaged various projects including building online course-ware and online encyclopaedia for systems science knowledge.

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## Academic Experience

**Doctoral graduate, Vrije Universiteit Brussel; Brussels, Be. — 2014-2019**

Doctoral graduate (Ph.D) and researcher at Vrije Universiteit Brussel (VUB) focused on higher orders of human social dynamics related to observation, information, energy, and meta-systems.

**Masters graduate, University of Toronto; Toronto, On. — 2011-2013**

Masters graduate from the University of Toronto (M.Sc.) focused on evolutionary anthropology and specialising in the understanding of divergence throughout primate and human evolution.

**Undergraduate graduate, McMaster University; Hamilton, On. — 2007-2011**

Undergraduate graduated with combined B.A. (Hon.) degree in biological anthropology and history, with a specialisation in primate social ecology, biocultural evolution, colonial-empire formation.

**College graduate, Mohawk College; Hamilton, On. — 2005-2007**

College graduate with a General Arts and Science diploma focused on a wide-ranging introduction to social science, natural sciences, and the humanities with a focus on anthropology and history.

## Books

Last, C. 2023. *Systems and Subjects: Thinking the Foundations of Science and Philosophy*. Philosophy Portal Books.

Last, C., Orosz, K., Dick, D. 2020. *Sex, Masculinity, God: The Trialogues*. Ouroboros Publishing LLC.

Last, C. 2020. *Global Brain Singularity: Universal History, Future Evolution and Humanity's Dialectical Horizon*. Springer.

## Anthologies

Garner, D. & Last, C. (Eds.). 2023. *Abyssal Arrows: Spiritual Leadership Inspired by Thus Spoke Zarathustra*. Philosophy Portal Books.

Garner, D., Bard, A. & Last, C. (Eds.). 2022. *Enter the Alien: Thinking as 21st Century Hegel*. Philosophy Portal Books, Independent Published.

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## Academic Publications

Eklöf, J., Hamelryck, T., Last, C., Grima, A. & Snis, U.L. 2023. Abstraction, mimesis and the evolution of deep learning. *AI & Society*, DOI: 10.1007/s00146-023-01688-z

Last, C. 2021. The Difference Between Neuroscience and Psychoanalysis: Irreducibility of Absence to Brain States. *Neuropsychoanalysis*, 1-12. DOI: 10.1080/15294145.2021.1926312.

Last, C. & Ezan, P. 2021. Self Development with Dialectics: Nature of One and the Other. In: *The Practice of Thinking: Cultivating the Extraordinary*. Lenartowicz, M. & Weinbaum, D. (Eds.). Academia Press.

Last, C. 2020. Global Brain: Foundations for a Distributed Singularity. In: *The 21st Century Singularity and Global Futures. A Big History Perspective*. Ed. D.J. LePoire. Springer. p. 363-375.

Last, C. 2019. Symbolic Orders and Structure of Universal Internalization. In: *Evolution: Evolutionary Trends and Aspects*. Ed. L.E. Grinin & A.V. Korotayev. Volgograd: Publishing House 'Uchitel'. p. 32-54.

Last, C. 2019. Žižek and Peterson: Demonstrating the Importance of Higher Order Dialogue. *International Journal of Žižek Studies*, 13(2): 1-37. ISSN: 1751-8229.

Last, C. 2018. A Reflective Note for Dialectical Thinkers. *International Journal of Žižek Studies*, 12(4): 1-48. ISSN: 1751-8229.

Last, C. 2018. Cosmic Evolutionary Philosophy and a Dialectical Approach to Technological Singularity. *Information*, 9(4): 78. DOI: 10.3390/info9040078.

Last, C. 2017. Big Historical Foundations for Deep Future Speculations: Cosmic Evolution, Atechnogenesis, and Technocultural Civilization. *Foundations of Science*, 22(1): 39-124. DOI: 10.1007/s10699-015-9434-y.

Last, C. 2017. Global Commons in the Global Brain. *Technological Forecasting and Social Change*, 114: 48-64. DOI: 10.1016/j.techfore.2016.06.013.

Last, C. 2015. Information-energy metasystem model. *Kybernetes*, 44(8/9), pp. 1298-1309. DOI: 10.1108/K-11-2014-0231.

Last, C. 2015. Human Metasystem Transition (HMST) Theory. *Journal of Evolutionary & Technology*, 25(1), 1-16.

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Last, C. 2014. Human Evolution, Life History Theory, and the End of Biological Reproduction. *Current Aging Science*, 7(1), 1-8. DOI: 10.2174/1874609807666140521101610.

Last, C. 2014. Global Brain and the Future of Human Society. *World Future Review*, 6(2), 143-150. DOI: 10.1177/194675.

Last, C. & Muh, B. 2013. Effects of Human Presence on Chimpanzee Nest Location in the Lebialem-Mone Forest Landscape, Southwest Region, Cameroon. *Folia Primatologica*, 84: 51-63.

Last, C. 2013. The 10,000 Year Explosion: How Civilization Accelerated Human Evolution (2009) by Gregory Cochran and Henry Harpending. *vis-a-vis: Explorations of Anthropology*, 12(1), 120-123.

## Presentations

Logic for the Global Brain, Philosophy Portal; Online. — 2023  
Presentation: Concept to Being

Science Series, University of Copenhagen; Copenhagen, Den.. — 2023  
Presentation: Systems and Subjects

Spiritual Leadership in Our Time, Philosophy Portal; Online. — 2022  
Presentation: Spirit's Logic

Mann Seinn 2022; Berlin, Ger. — 2022  
Presentation: Sex, Masculinity, God

Thinking as 21st Century Hegel, Philosophy Portal; Online. — 2022  
Presentation: The Necessity of Absolute Knowing

European Men's Gathering, Maniphesto; Thy, Den. — 2021  
Presentation: Sex, Masculinity, God

Psychoanalytic Society, University of Essex; Essex, Eng. — 2021  
Presentation: The Difference Between Psychoanalysis and Neuroscience

Independent Event, New Leaf Canada; Hamilton, On. — 2020  
Presentation: Microdosing — New Psychedelic Frontier

Independent Event, New Leaf Canada; Hamilton, On. — 2020  
Presentation: Psilocybin and Mental Health Research

Thinking Cafe, Vrije Universiteit Brussel (VUB); Brussels, Be. — 2020  
Presentation: Psychedelics, an Introduction

CLEA Open School, Wiels; Brussels, Be. — 2020  
Presentation: Philosophy in the Noosphere

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**BCSSS Lecture Series, Bertalanffy Centre for the Study of Systems Science (BCSSS); Vienna, Au. — 2019**

Presentation: General Systems Theory and Subjectivity

**Doctoral Thesis Defence, Vrije Universiteit Brussel (VUB); Brussels, Be. — 2019**

Presentation: Global Brain Singularity

**BCSSS Lecture Series, Bertalanffy Centre for the Study of Systems Science (BCSSS); Vienna, Au. — 2018**

Presentation: Global Brain Singularity

**Larnaca Conference, Integration of System Thinkers (Formwelten-Institute); Larnaca, Cy. — 2018**

Presentation: History of Meta-Reflective Group Dynamics in Thinking

**International Big History Association, Villanova University; Villanova, PA. — 2018**

Presentation: Symbolic Evolution and Universal Internalisation

**The School of Advanced Thinking Workshop, Center for Research and Interdisciplinary (CRI); Paris, Fr. — 2018**

Presentation: Towards the Foundations for a School of Advanced Thinking

**Evolution, Cognition, Complexity (ECCO) Lecture Series, Vrije Universiteit Brussel (VUB); Brussels, Be. — 2017**

Presentation: Technological Singularity in the Big Historical Worldview

**Big History and Global Evolution, Lomonosov Moscow State University; Moscow, Rus. — 2017**

Presentation: Technological Singularity in the Big Historical Worldview

**International Big History Association, University of Amsterdam; Amsterdam, Net. — 2016**

Presentation: Big History and the Deep Future

**Offer Network Workshop, Vrije Universiteit Brussel; Brussels, Be. — 2015**

Presentation: Exploring the Global Commons

**The Information Society at a Crossroads, Vienna University; Vienna, Au. — 2015**

Presentation: Self-Actualisation in the Commons

**Evolution, Cognition, and Complecity (ECCO) Lecture Series, Vrije Universiteit Brussel; Brussels, Be. — 2014**

Presentation: Information-Energy Metasystem Model

**Rejuvenation Biotechnology Conference, SENS Foundation; San Jose, Cal. — 2014**

Presentation: Life History Theory and the End of Biological Reproduction

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**International Big History Association, Dominican University of California;  
San Rafael, Cal. — 2014**

Presentation: The Future of Big History

**American Society of Cybernetics, George Washington University;  
Washington, D.C.. — 2014**

Presentation: Information-Energy Metasystem Model

**World Future Society (WFS), The Futurist; Orlando, Fla. — 2014**

Presentation: Global Brain and the Future of Human Society

**Cyprus Symposium 'Pathways to Indefinite Lifespans', University of  
Nicosia (UN); Nicosia, Cy. — 2014**

Presentation: Life History Theory and the End of Biological Reproduction

**Evolution, Cognition, and Complexity (ECCO) Lecture Series, Vrije  
Universiteit Brussel; Brussels, Be. — 2013**

Presentation: Pathway to the Global Brain

## References

**Chris McCullough — Director of New Leaf Canada**

[chris@newleafcan.ca](mailto:chris@newleafcan.ca) / Personal relation: Director at New Leaf Canada

**Stefan Blachfellner — Director of Bertalanffy Center for the Study of  
Systems Science (BCSSS)**

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**Dr. Francis Heylighen — Associate Prof. of Philosophy/Interdisciplinary  
Studies, Vrije Universiteit Brussel (VUB)**

[fheyligh@vub.ac.be](mailto:fheyligh@vub.ac.be) / Personal relation: PhD Supervisor

**Dr. Marta Lenartowicz — Programme Director of School of Thinking (SOT),  
Vrije Universiteit Brussel (VUB)**

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**Dr. Thomas Hamelryck — Associate Prof. of Computer Science, University  
of Copenhagen**

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