



## BEAUDE Boris, Curriculum Vitae

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Born in Paris, 1973, French, C Permit.

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### EDUCATION

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2008 Phd in Human Geography (*Université Panthéon Sorbonne - Paris 1*) supervised by Rémy Knafo. « Éléments pour une géographie des lieux réticulaires » - Mention *Très honorable*.

### ACADEMIC POSITIONS

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2016... Assistant Professor (tenure track) in *Digital Humanities*, Université de Lausanne.  
2014 – 2016. Senior researcher (tenured), *Chôros Lab*, *École polytechnique fédérale de Lausanne*.  
2008 – 2016. Postdoc, *Chôros Lab*, *École polytechnique fédérale de Lausanne*.  
2005 – 2007 Research assistant, *Dia-Logos*, *Chôros Lab*, *École polytechnique fédérale de Lausanne*.  
2003 – 2010 Lecturer, *IEP de Paris (Sciences Po)*.

### INSTITUTIONAL RESPONSIBILITIES

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2017... Director of the *Digital Cultures, Societies and Humanities Laboratory* (LaDHUL-Université de Lausanne).  
2017... Member of the scientific commission of the *Doctoral school in Digital studies* (Université de Lausanne).  
2016... Member of the scientific commission of the *Master's degree in Digital humanities* (Université de Lausanne).

### APPROVED RESEARCH PROJECTS

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2018 – 2020 **Boris Beade** and Nicolas Baya-Laffite, 'WikiMaps'. Swiss National Science Foundation (Berne, Suisse). Subvention: 10DL1A\_183217.  
2012 – 2015 Lévy Jacques, **Boris Beade** and André Berchtold, 'The pragmatics of spatial justice. An experimental approach to the spatial arrangement of hospital services'. Swiss National Science Foundation (Berne, Suisse). Subvention: 137809.

### SUPERVISION OF JUNIOR RESEARCHERS

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2018... Armelle Hausser (Phd). *Participation citoyenne et numérique : de nouveaux outils pour planifier le territoire ?* Vincent Kaufmann and Boris Beade (Dirs.). EPFL, Lausanne (in progress)  
2016... Nicolas Baya-Laffite (postdoc) supervised by Boris Beade and Dominique Vinck, UNIL, Lausanne (in progress), Jérémie Garrigues (Phd). *Algorithmisation du monde social ?* supervised by Boris Beade (Dir.). UNIL, Lausanne (in progress) and Jean-François Perrat (Phd). *Spatialités de la vie privée à l'ère numérique* supervised by Michel Lussault & Boris Beade (Dirs.). ENS Lyon, Lyon (in progress).

- 2012–2016 Ogier Maitre (postdoc) supervised by Boris Beade and Jacques Lévy, EPFL, Lausanne.
- 2013 – 2017 Dario Rodighiero (Phd). *Mapping Affinities: visualizing academic practice through collaboration*. Frédéric Kaplan and Boris Beade (Dirs.). EPFL, Lausanne (without reserve).
- 2012 – 2016 Jean-Nicolas Fauchille (Phd). *La justice spatiale comme pragmatique*. Jacques Lévy and Boris Beade (Dirs.). EPFL, Lausanne (without reserve).
- 2010 – 2014 Luc Guillemot (Phd). *Une fabrique de la société-Monde, Internet entre technique et politique mondiale*. Jacques Lévy and Boris Beade (Dirs.). EPFL, Lausanne (without reserve).

## TEACHING ACTIVITIES

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- 2016... *Introduction to the epistemology of the digital (28h), Productions, circulations and uses of digital traces (56h) and Internet : social and political issues (56h)*, Master in Digital Humanities, UNIL.
- 2009 – 2016. *Social issues of the Internet*, Master, Collège des humanités, EPFL and *Space Theory*, Master, ENAC, EPFL.
- 2009 – 2016. *Thinking space*, Phd seminar, Doctoral Program Architecture and Sciences of the City, EPFL.
- 2009 – 2013 *Mapping Controversies*, Master, EPFL (*Macospol*, in collaboration with *Sciences Po Paris*, MIT, *École des Mines de Paris*, Oxford University and Manchester University).

## SCIENTIFIC COMMITTEES AND REVIEWING ACTIVITIES

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Member of the editorial board and the Scientific Committee of the journal *EspacesTemps.net*.

Member of the Scientific Committee of the International Symposium Geopoint (2014, 2016 and 2018 - <http://www.geopoint.space>), *Les enjeux éthiques dans l'enquête en sciences sociales* (2018), *Promesses des machines, machines à promesses* (2018), *Time and Web temporalities* (2015 - <http://calenda.org/345928>), *Hyperurbain 5* (2015 - <http://hyperurbain.org/hu5/>).

Reviewing for many scientific journals (*EspacesTemps.net*, *Internet Histories*, *Géographie, économie et société*, *Tijdschrift voor economische en sociale geografie*, *Socio*, *Semiotica*...).

## ORGANISATION OF CONFERENCES

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Member of the organizing Committee for the international symposium *Promesses des machines, machines à promesses* (UNIL, 2018), for the international symposium *Géopoint16*, « De l'espace pour la théorie » (EPFL, juin 2016), for the recurrent international seminar *Thinking Space Les interspatialités d'Internet* (EPFL, 2015), *La production de l'espace* (EPFL, 2015), *La justice spatiale* (EPFL, 2014), *Le corps* (EPFL, 2012), *L'espace partagé* (EPFL, 2010), *Qui pense l'espace et pour quoi faire ?* (EPFL, 2009), and for the international symposium *Eidolon*, « Mapping Ethics. New Trends in Cartography » (Latsis-EPFL, 2011).

## CAREER BREAKS

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I resumed my doctoral thesis five years after my graduate degree for financial concerns. I worked as an internet project manager and web developer. It has been a very valuable experience (1998-2003).

## MAJOR SCIENTIFIC ACHIEVEMENTS

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- Nicolas Baya-Laffite, **Boris Beau**de et Jérémie Garrigues. 2018. « Le deep learning au service de la prédiction de l'orientation sexuelle dans l'espace public. Déconstruction d'une alerte ambiguë », in *Réseaux*, n° 211, pp. 137-172. DOI: 10.3917/res.211.0137.

This research explores the alert raised in September 2017 about an algorithm that could predict people's sexual orientation. It questions the status of "predictive machines" and the role of social sciences in such circumstances. In this article, we propose to question the relevance of Kosinski's alert in view of the controversy it has generated, since it is so valuable in examining the entry of predictive algorithms into the public debate. We question the ambiguity of the "whistleblower" status that the authors explicitly assume, because the critical examination of the predictive model finally reveals its inability to demonstrate the prenatal hormonal origins of sexual orientation and to distinguish the sexual orientations of people in the public space.

- **Boris Beau**de. 2017. « Re-médiations numériques », in *Sociologie et Sociétés*, « Retours critiques sur les sociologies numériques », vol. xlix, no 2, p. 83-111.

This research proposes to question the theoretical and empirical issues of contemporary sociology. In particular, it links the investment of social relations and the corresponding challenges by physics and computer science in recent years with the advent of big data and the foundations of 19th century sociology, in particular the positivism of Auguste Comte and the sociology of Gabriel Tarde. She points out that sociology's distrust of big data stems more from its emphasis on the complexity and interpretation of the social world than from a distrust of data.

- Dario Rodighiero, Frédéric Kaplan and **Boris Beau**de. 2018. 'Mapping Scientific Practice of Academic Organizations through Affinities', in *Frontiers in Research Metrics and Analytics*. DOI:10.3389/frma.2018.00004.

This research proposes to question the metrics that provide insight into the proximity of research laboratories. For this purpose, we have considered publications (text analysis), teachings, grants and student supervision. Secondly, the challenge was to visualize this complexity by developing an interactive visualization of the affinities between laboratories, which helps to observe the internal relations within laboratories and the proximity between laboratories, as well as the vocabulary resulting from publications that helps to establish this proximity. As part of this research, I co-directed the thesis that was funded in this context, as well as the visualization and textual analysis engine. This digital dashboard is operational and used by the Dean of the School of architecture, civil and environmental engineering of EPFL. It should be generalized to the entire EPFL.

- **Boris Beau**de and Nicolas Nova. 2016. «Topographies réticulaires», in *Réseaux*, n°195, pp. 53-81. DOI : 10.3917/res.195.0053.

This research focuses on the potential of digital traces in the context of urban space mapping. It provides an overview of the state of the art in the use of data relating to individual mobility and considers the challenges of traceability, the disciplines that invest this potential and the digital foundations that make such representations possible.

- **Boris Beau**de. 2015. « Les virtualités de la synchronisation », in *Géo-Regards*, n°7, pp. 123-143.

This research proposes to think the contemporary world in terms of synchronization, but also of synchronization (from the Latin *chora*, space). The major development of computing and telecommunications in recent decades has not only ensured an even more intense synchronization of individuals (common time), but also an unprecedented synchronization (common space). The Internet, in particular, has become a place of increasingly intense and numerous practices, which presupposes primarily the acceptance of its reality.

- **Boris Beau**de. 2016. *The Ends of The Internet*, Institute of Network Cultures, Amsterdam / **Boris Beau**de. 2014. *Les fins d'Internet*, collection « Stimulo », FYP éditions, Limoges, 96 p.

This research examines the tension between the ideals that prevailed during the initial development of the Internet and its current reality. In particular, it underlines that the reality of the Internet, as a contemporary space, is reflected in growing challenges and conflicts of interest, which call into question many of these founding principles (the abolition of space, freedom of expression, gratuitousness, collective intelligence, decentralization, resilience and neutrality). It is essential to stress that at the heart of these conflicts is essentially a conflict between transnational Internet players and legitimate policy, which remains largely national.

- **Boris Beaudé.** 2016. « From Digital Footprints to Urbanity », in Jacques Lévy (dir.), *Cartographic Turn*, Routledge, Londres, pp. 273-297.

This research examines the theoretical and methodological issues involved in the unprecedented traceability of mobility practices and assesses the capacity of these traces to better characterize urbanity, i. e. the differences in declination of urbanity according to the density and diversity of its realities.

- **Boris Beaudé and Ogier Maitre.** 2016. « Grandes théories, petits mondes », in *Géopoint16, De l'espace pour la théorie / Space for theory*, EPFL, Lausanne, Suisse, 13, 14 and 15 June.

This project uses 10 years of articles from the main scientific journals in geography (highest impact factor) to identify semantic settings representative of excellence in this field. We also worked on the singularization of a journal (*Antipode*) among all these journals, in order to better identify what characterizes the editorial choice of this journal in particular.

- **Lévy Jacques, Boris Beaudé and André Berchtold.** 2012–2015. 'The pragmatics of spatial justice. An experimental approach to the spatial arrangement of hospital services'. *Swiss National Science Foundation* (Bern, Suisse). Subvention: 137809.

This collective and interdisciplinary research has made it possible to combine geography, statistics and information technology in order to better understand the challenges associated with the concentration of hospital infrastructures in Switzerland. For this purpose, a model of the Swiss health system has been developed in order to test different scenarios, which questions the access time to healthcare facilities. A qualitative survey was associated with this interactive device in order to confront the interviewees with the consequences of their choices and to study their reactions. Conventional justices theories were then confronted with the particular conditions of the geography of health. In this research, I co-authored the application, co-directed the thesis and postdoctoral fellowship funded in this context, and worked on the research protocol, the model and its parameterization.

- **Boris Beaudé.** 2015. « De quoi Wikipédia est-elle le lieu ? », in Lionel Barbe, Louise Merzeau and Valérie Schafer (dir.), *Wikipédia, objet scientifique non identifié*, Presses Universitaires de Paris Ouest (PUPO), Paris, pp. 41-54. <http://books.openedition.org/pupo/4094>

This research focuses on the spatial dimension of Wikipedia, conceived as a singular and original space, which makes it possible to actualize the Enlightenment project. It is shown that the architecture of the interaction that makes this project possible is highly codified, and that the traceability of each act makes possible an open governance as well as the establishment of a posteriori legitimacy, which is opposed to the a priori legitimacy that characterizes conventional encyclopedias.