

UNIVERSITÀ DEGLI STUDI DI MILANO

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[Michele Loi] CURRICULUM VITAE

INFORMAZIONI PERSONALI (NON INSERIRE INDIRIZZO PRIVATO E TELEFONO FISSO O CELLULARE)

COGNOME	LOI
NOME	MICHELE
DATA DI NASCITA	[07, 08, 1078]

INSERIRE IL PROPRIO CURRICULUM (non eccedente le 30 pagine)

- a) possesso del titolo di dottore di ricerca o equipollenti, ovvero, per i settori interessati, del diploma di specializzazione medica o equivalente, conseguito in Italia o all'Estero;

2004- 2007 Ph.D. Political Theory/teoria politica [awarded 11 July 2007]

Libera Università degli Studi Sociali Guido Carli, (Rome, Italy).

Doctoral dissertation: "Well-being: an Investigation into its Natural Boundaries."

Supervisors: Sebastiano Maffettone and Gianfranco Pellegrino (LUISS University).

5.04.2018 Abilitazione scientifica nazionale per la II fascia, ai sensi dell'art. 16 della Legge 240/2010, per il settore concorsuale __11 C3.

- b) eventuale attività didattica a livello universitario in Italia o all'Estero;

- Spring 2020; "Ethical, legal and social aspects of cybersecurity" co-lecturer (equal time), faculty of Business, Economics and Informatics, University of Zurich

- October 15, 2019; Visiting lecturer of Ethics of Cybersecurity for the BA students of the degree in informatics of Department of Information Security and Communication Technologies, Norwegian University of Science and Technology, Norway.

-August 19-23, 2019: Invited Lecturer, "Nudging cybersecurity in a fair way", IFIP Summer School on Privacy and Identity Management in Brugg/Windisch, Switzerland

- March 2019: Lecture "Ethical Frameworks for Cybersecurity", as part of the CANVAS MOOC, CANVAS: CSE100 Cyber Security Ethics <https://mooc.canvas-project.eu/courses/course-v1:CANVAS+CSE100+SS2019/course/>

- 21 Feb 2019- 9 May 2019: Informatik, Ethik und Gesellschaft (Informatics, Ethics and Society), with Markus Christen and Markus Kneer

- Jan 7-10, 2019: Invited Lecturer, "Algorithmic fairness, discrimination, and equality of opportunity", Winter School on Inequality and Social Welfare Theory, Alba di Canazei, TN, Italy

- 13 March 2018 – 24 April 2018: Interdisciplinary seminar “How does ethics work” for the doctoral students of the Institute of Biomedical Ethics and the History of Medicine, University of Zurich.
- Fall 2012: Bioethics module for the course of Medical Humanities for the International MD Program of Università Vita-Salute San Raffaele, Milano. Part of 9 ECTS course on Medical Humanities (10h frontal lectures).
- Spring 2011: Bioethics module for the course of Medical Humanities for the International MD Program of Università Vita-Salute San Raffaele, Milano. Part of 9 ECTS course on Medical Humanities.
- Spring 2012: “Filosofia e diritti umani,” [Philosophy and Human Rights], for Università Vita-Salute San Raffaele, Milano.

Before teaching autonomously, I have been teaching assistant and examiner for the course on moral philosophy of Prof. Roberto Mordacci (2008-2011, Università Vita-Salute San Raffaele) and for the course on political philosophy of Prof. Sebastiano Maffettone (2007-2008, LUISS Guido Carli, Rome).

Supervision: BA thesis of Valeria Butti – Human Rights and Work: a defence of labour rights (in Italian), Università Vita-Salute San Raffaele. Graduation date: 27.02.2013. (110/110 cum laude).

Currently, co-supervisor of the PH.D. thesis of Najd Alfawzan, on data sharing on mobile health applications in an intercultural perspective

c) documentata attività di formazione o di ricerca presso qualificati istituti italiani o stranieri;

From August 2020: Senior Researcher at the Institute of Biomedical Ethics and the History of Medicine and Digital Society Initiative. Current role: Principal Investigator in the project “Socially acceptable AI and fairness trade-offs in predictive analytics”.

Mar 2017-August 2020: Postdoctoral researcher University of Zurich

Jan 2016-Dec 2016: Post-doctoral research fellow in biomedical information ethics, ETH Zurich

Oct 2015-Jun 2016: Harmonizing expert guidance on “Managing Ethical Issues in Infectious Disease Outbreaks” and “Ethics of Public Health Surveillance”, World Health Organisation, Global Health Ethics Unit (Consultant)

Apr 2013 - Sep 2015: Post-Doc Universidade do Minho, Institute of Art and Humanities

Jul 2012 - Mar 2013: Post-Doc San Raffaele Biomedical Science Park

Sep 2008 - Feb 2012: Post-doc Università Vita-Salute San Raffaele

Research in these projects produced a book and a stream of scientific papers (32 excluding publications in Italian and edited books). See <https://orcid.org/0000-0002-7053-4724>
<https://scholar.google.it/citations?user=gySUmSAAAAJ&hl=en>

d) documentata attività in campo clinico relativamente ai settori concorsuali nei quali sono richieste tali specifiche competenze;

e) realizzazione di attività progettuale relativamente ai settori concorsuali nei quali è prevista;

1.06.2020 – now: “Socially acceptable AI and fairness trade-offs in predictive analytics”. Funder: Swiss National Science Foundation – NRP 77. Institution: University of Zurich, Institute of Biomedical Ethics and the History of Medicine. Role: Principal Investigator, supervisor (one philosophy post-doc).

1.09.2019 – now: “Writing a code of ethics for data-intensive services”. Funder: Innosuisse. Institution: University of Zurich, Digital Society Initiative. Role: main researcher and lead writer of the ethical code.

7.07.2018 – now: “One stop shop for data protection and research ethics review”, Funder: University of Zurich. Institution: University of Zurich

1.09.2019 – 31.12.2019: “People analytics must benefit the people. An ethical analysis of data-driven algorithmic systems in human resources management” <https://algorithmwatch.org/en/project/auto-hr/>. Funder: Algorithmwatch. Institution: University of Zurich, Digital Society Initiative. Role: researcher and report writer.

1.04.2017 - 31.01.2019: Swiss National Foundation funded project NRP 75 on Between Solidarity and Personalization – Dealing with Ethical and Legal Big Data Challenges in the Insurance Industry. Institute of Biomedical Ethics and the History of Medicine. University of Zurich. Role: post-doctoral researcher

1.03.2017 - 31.10.2019: Michele Loi Consortium for Value-Driven Cybersecurity. H2020 CANVAS Digital Society Initiative, University of Zurich. Role: post-doctoral researcher (Wissenschaftlicher Mitarbeiter)

Oct 2015 - June 2016: Managed the writing process of the WHO guidelines “Managing Ethical Issues in Infectious Disease Outbreaks”, World Health Organisation, Global Health Ethics Unit

1.04.2013 - 30.09.2015: “Human enhancement in a non-ideal world.” Funder: FCT - Fundação para a Ciência e a Tecnologia. Institution: CEHUM, University of Minho, Braga (Portugal). Role: post-doctoral researcher.

1.10.2011 - 29.02.2012: “Recognition, Respect and Motivation. Research on the theoretical and practical aspects of cooperative agency” Funder PRIN. Institution: Università Vita-Salute San Raffaele. Role: post-doctoral researcher

1.10.2008 - 30.09.2011: “Moral and juridical questions concerning the clinical, biomedical and social employment of human genetics”. Funder: FIRB Futuro in Ricerca. Institution: Università Vita-Salute San Raffaele. Role: post-doctoral researcher

f) organizzazione, direzione e coordinamento di gruppi di ricerca nazionali e internazionali, o partecipazione agli stessi;

01.06.2020 – now: “Socially acceptable AI and fairness trade-offs in predictive analytics”. Funder: Swiss National Science Foundation – NRP 77. Institution: University of Zurich, Institute of Biomedical Ethics and the History of Medicine. Role: Principal Investigator (supervisor of one philosophy post-doc).

January 2019 – now: Ethics Working Group of the Swiss Alliance for Data-Intensive Companies. Role: co-lead, Ethics working group.

08.03.2018 – 31.05.2020: ELSI Task Force. Funder: Swiss National Science Foundation, NRP 75. Institution: Digital Society Initiative, University of Zurich. Role: general manager.

1.03.2017 - 31.10.2019: Michele Loi Consortium for Value-Driven Cybersecurity. H2020 CANVAS Digital Society Initiative, University of Zurich. Role: Wissenschaftlicher Mitarbeiter (scientific assistant) of the coordinator of the H2020 project (Dr. Markus Christen). The H2020 CANVAS project comprised 11 partners from 7 European countries, coordinated by the University of Zurich (<https://canvas-project.eu>).

1.04.2017 - 31.01.2019: Swiss National Foundation funded project NRP 75 on Between Solidarity and Personalization – Dealing with Ethical and Legal Big Data Challenges in the Insurance Industry. Institute of Biomedical Ethics and the History of Medicine. University of Zurich. Role: post-doctoral researcher.

Oct 2015-Jun 2016: managing the guideline writing process for “Managing Ethical Issues in Infectious Disease Outbreaks”, World Health Organisation, Global Health Ethics Unit

Nov 2013-Sept 2015: “COST Action CHIP ME” (Europe-wide network comprised members from 26 different countries with interdisciplinary working groups). Funder: COST. Institutions: San Raffaele Biomedical Science Park and subsequently CEHUM, University of Minho, Braga (Portugal). Role: Action vice-chair.

g) titolarità di brevetti relativamente ai settori concorsuali nei quali è prevista;
h) attività di relatore a congressi e convegni nazionali e internazionali;

26 June, 2020, “A Comparative Assessment and Synthesis of Twenty Ethics Codes on AI and Big Data”, paper, Swiss Data Science Conference 2020 (online)

26 June, 2020, “A blindspot in AI ethics: antifragility in statistical predictions”, poster, Swiss Data Science Conference 2020 (online) (with Lonneke Van Der Plas)

25 June, 2020, “Implementing data ethics in business processes”, workshop, Swiss Data Science Conference 2020 (online)

24 June, 2020, ““How can knowledge be harmful?“, 5th SwissText & 16th KONVENS Joint Conference 2020 (online)

22 December, 2019, Workshop on Data Co-ops, The Hebrew University

22- 24 August, 2019, Alpbach Technology Symposium, workshop on ““Cybersecurity, privacy, ethics – opportunities and threats for a digital society”

19-21 August, 2019, IFIP Summer School on Privacy and Identity Management, Keynote speech: “ethics of nudging privacy and cybersecurity online”.

13-14 June, 2019, Workshop on the Analysis of Current and Future Ethical Issues in Artificial Intelligence and Robotics, SIENNA project, Uppsala University, Sweden

28-30 May, 2019, “Transparency As Design Publicity: Explaining and Justifying Inscrutable Algorithms”, ETHICOMP, Norfolk Virginia

15-17 May, 2019, “Nudging the Sharing of Data in a Fair Way”, Tilting Perspectives, Tilburg, The Netherlands 2019

March 29, 2019 “Algorithms and Fairness”, AI Governance Forum, Geneva, Switzerland

Jan 30-Feb 1, 2019 with Christen M. “Two Concepts of Group Privacy” Computers Privacy and Data Protection Conference (CDPD) 2019, Bruxelles, Belgium.

29-31 Jan, 2019 with Heidari H.,Gummadi, Krishna P. , Krause A. “A Moral Framework for Understanding Fair ML Through Economic Models of Equality of Opportunity” ACM FAT* Conference 2019, Atlanta, USA online participation (and paper published in the proceedings)

7-10 Jan, 2019 Invited Lecturer, “Algorithmic fairness, discrimination, and equality of opportunity”, Winter School on Inequality and Social Welfare Theory, Alba di Canazei, TN, Italy

Nov 29, 2018, Basel “From the ethics of data to the politics of algorithms”, invited keynote, Symposium: Ethical Issues in Big Data Research.

21-23 June 2018, Rome “The place of algorithms in a theory of social justice”, Association for Legal and Social Philosophy annual conference

14-16 June 2018, Padova “The moral significance of ‘knowledge problem’ for the governance of digital phenotypes”, STS Italia Conference

30 November 2017, London, European Medical Agency, Data Anonymisation Workshop, invited expert

4 –6 September 2017, Galway. “Information and insurance: discrimination and solidarity from genetics to big data”. Invited: COST Action CHIP ME Final conference

August 29-September 01 2017, Tallin-Helsinki. “What can philosophy contribute to data ethics?” Ethics Track MyData 2017. “What can political philosophy contribute to our data futures?” Workshop: Our data future, Conference: Mydata 2017

8-9 March 2017, Trento. “Which genetic enhancements is it most reasonable to expect?” CHIP ME Gene-Editing Workshop

6-8 September 2016, Leuven. CHIP ME Annual meeting 2016. Invited talk: “Ethical and political implications of the digital phenotype: some ideas for a brief concept note”. CHIP ME Annual meeting 2016. Invited talk (with Thomas Ruddy): “MIDATA - a model of citizen-led data sharing for Europe”

August 31- September 3, 2016, Barcelona. European Association for the Study of Science and Technology (EASST) Science and technology by other means: Exploring collectives, spaces and futures. Presentation of the paper “health data cooperatives” at the panel on “biomedical sharing economies”

12-15 July 2016, Edinburgh. World Congress of Bioethics. Presentation on “Ethical responses to epidemics: some hard cases”, Symposium on Implementing ethical guidelines in response to epidemics. Disciplines: ethics, public health, social science.

8-10 January 2015, Utrecht. International conference on The Ethics of Economic Institutions. Presentation on “Tackling Innovation Where It Matters the Most: Why the Global Institute for Justice in Innovation fails”

4-6 September 2015, Toulouse. IBISS workshop on epigenetics. Presentation “Epigenetic Inheritance and Our Responsibilities to Future Generations”

- i) conseguimento di premi e riconoscimenti nazionali e internazionali per attività di ricerca;

Prizes:

- 1) “Best ELSI contribution”, funder: Swiss National Science Foundation National Research Programme 75 ELSI Task Force, for the paper “A Blindspot of AI Ethics: Anti-Fragility in Statistical Prediction”, written with Lonneke Van der Plas, presented as poster at the Swiss Data Science Conference 2020 (online)

International Competitive Fellowships:

- 1) Marie Curie Individual Fellowship (H2020 MSCA IF 2019), selected for funding with a total score of 100/100. Host: Politecnico di Milano.
- 2) Harvard/Brocher summer school (partial scholarship, 1500 CHF)
- 3) Brocher Summer Academy in Global Population Health (June 2014);
- 4) Fellowship: Hoover Fellowship (1500 €) Université Catholique de Louvain, Louvain-la-Neuve, Belgium (March 2012);
- 5) Fellowship: Brocher Fellowship (approx. 6000 CHF), Fondation Brocher, Hermance, Switzerland (April-June 2010); Scholarship: Scuola di Alta Formazione Filosofica, Centro Studi Filosofico Religiosi Luigi Pareyson, Torino.

- j) possesso del diploma di specializzazione europea riconosciuto da Board internazionali, relativamente a quei settori concorsuali nei quali è prevista.

Data

14.July.2020

Luogo

Cortina