

EDUCATION

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- 2016 – 2021      **PhD in History, University of Cambridge, Faculty of History, Pembroke College.** Thesis title: *The Spread of Hindu-Arabic Numerals in the European Tradition of Practical Arithmetic, a Socio-Economic Perspective (13<sup>th</sup>-16<sup>th</sup> Centuries)*. Supervisor: Prof. C. Muldrew
- 2013 – 2015      **MA in Philosophical Sciences, University of Bologna** – 110/110 with distinction and recommendation for publication (dignità di stampa). Dissertation: *Su Fibonacci e le eredità della matematica pratica nell'età nuova*. Supervisors: Prof. A. Angelini and V. Zamagni  
Overseas exchange at University of California, San Diego (2013)
- 2013 – 2015      **Collegio Superiore** – School of excellence of the University of Bologna  
Visiting student at Scuola Normale Superiore, Pisa (2015)
- 2010 – 2013      **BA in Philosophy, University of Bologna** 110/110 with distinction

ACADEMIC POSITIONS

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- 2021 – 03/2023      **Sant'Anna School of Advanced Studies, Institute of Economics, Pisa.**  
Postdoctoral Fellow in Economics, Horizon 2020 Project ReCreating Europe<sup>1</sup>

PUBLICATIONS

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**Monograph**

- *The Wealth of Numbers: a Socio-Economic History of Hindu-Arabic Numerals in Europe* (working title), Harvard University Press. Book contract with Harvard University Press signed in January 2022. Expected publication: 2024.

**Peer-reviewed papers**

- Un rinascimento dal basso: l'aritmetica mercantile e la sua epistemologia pratica, forthcoming at *Philosophia*.
- The spread of Hindu-Arabic numerals among practitioners in Italy and England (13th-16th c.): two moments of a European innovation cycle? Forthcoming at *Datini Studies in Economic History*.
- Elaboration and diffusion of useful knowledge in the long run: the case of European practical arithmetic (13th-16th centuries), *Rivista di Storia Economica* (2022), 1, 57-84.
- Figuring Out: the Spread of Hindu-Arabic Numerals in the European Tradition of Practical Mathematics (13th-16th centuries), *Nuncius*, (2021), 36 (1), 1-44.
- Una scienza per la rinascita. Note su Paolo dell'Abaco e la matematica abacistica fiorentina, *Rinascimento* (2019), 59, 245-269.

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<sup>1</sup> <https://www.recreating.eu>

### Working papers

- (with Martina Iori and Andrea Mina) A Numerical Revolution: The Diffusion of Practical Mathematics and the Growth of Pre-Modern European Economies, SSRN Working Paper, 2022.<sup>2</sup>  
Winner of the Best Paper Award at the DRUID Conference, June 2022 (Copenhagen Business School).

### Other research papers

- Leonardo Fibonacci. *La Nuova Informazione Bibliografica* (2016), 3, Bologna, Il Mulino, 471-496.
- L’“ombra del beato regno” – presenze umbratili nel Purgatorio di Dante. *Dianoia* (2014), 19, 61-91.

### Book reviews

- Danna, R., “Niccolò Guicciardini, ed., *Anachronisms in the History of Mathematics* (Cambridge: Cambridge University Press)”, *Nuncius* (2022), 1, 1-3.
- Danna, R. La crisi in tre atti, la crisi in tre libri: una recensione a *Crashed* di Adam Tooze, *Rivista Il Mulino*, (2020), 69 (2), 323-328.
- Danna, R. “William Deringer, *Calculated Values: Finance, Politics, and the Quantitative Age* (Cambridge, Mass. & London: Harvard University Press)”, *Economic History Review* (2019), 72(1), 411-412.

### Policy Papers and Reports

- Danna, R., Baldazzini, A., Bottos, G., Desiata, E., Palmini, O., Venieri, A., *Le vie della digitalizzazione: rapporto sulle strategie delle imprese attraverso e oltre la crisi Covid-19*, Pandora Rivista e Fondazione Unipolis (2021). [research report].<sup>3</sup>
- Danna, R., Doudonis, P., Paetz, C., Sardo, D., *From ‘Homework’ to ‘Politics’ Some Reflections in favour of a Eurozone Fiscal Capacity*, FEPS YAN Policy Paper (2017).

### AWARDS AND GRANTS

2022	(with Martina Iori and Andrea Mina) Druid Conference (Copenhagen Business School), Best Paper Award for the paper ‘A Numerical Revolution: The Diffusion of Practical Mathematics and the Growth of Pre-Modern European Economies’
2019 – 2020	Economic History Society, Bursary Scheme for Postgraduate Students
2019 – 2020	Cambridge Political Economy Society Trust
2019 – 2020	University of Cambridge, Faculty of History, Prince Consort Studentship
2019	Associazione Marcello de Cecco, Prize in Economics and History of Institutions: special mention for the paper <i>Figuring Out - the Spread of Hindu-Arabic Numerals in the European Tradition of Practical Mathematics</i>
2019	Ellen McArthur Fund
2018-19, 2017-18	INET Young Scholars Initiative event grant. Project: The Politics of Economics seminar (first and second cycle)

<sup>2</sup> [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4143442](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4143442)

<sup>3</sup> <https://www.fondazioneunipolis.org/progetti/le-vie-della-digitalizzazione>

2018-19, 2017-18	CRASSH Centre Cambridge, Graduate and Faculty Research Networks grant. Project: The Politics of Economics seminar (first and second cycle). Grant plus administrative support and access to CRASSH facilities and resources.
2018	School of Arts & Humanities Graduate-led Symposia Funding. Project: CamQueer History (series of events for LGBT+ History Month 2018)
2016 – 2019	Cambridge Trust Vice-Chancellor & Pembroke College scholarship, full-time doctoral award covering University fees for three years, plus annual maintenance grant
2015	Collegio Superiore – Bologna, exchange student scholarship at the Scuola Normale Superiore of Pisa
2013 – 2014	University of California, UCSD – USA, Overseas programme, full university fees
2013 – 2015	Collegio Superiore, School of excellence of the University of Bologna, MA funding covering full fees and accommodation
2013	University of Bologna, award for first class degree result (BA degree)

#### SELECTED PRESENTATIONS (\* invited speaker)

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- (with Martina Iori and Andrea Mina) “A Numerical Revolution: The diffusion of practical mathematics and the growth of pre-modern European economies”, **Druid Conference 2022**, Copenhagen Business School, 13-15 June 2022.
  - “A Numerical Revolution: The diffusion of practical mathematics and the growth of pre-modern European economies” **Economic History Society Conference 2022**, University of Cambridge, Robinson College, 1-3 April 2022.
  - \* “The spread of Hindu-Arabic numerals in European commercial practices: a case study on the elaboration and diffusion of a commercial paradigm in pre-industrial Europe” **Sant’Anna School of Advanced Studies, Institute of Economics, Departmental Seminar**, 12 October 2021.
  - \* “Figuring out: the spread of Hindu-Arabic numerals in the European tradition of practical mathematics (13th-16th centuries)” **Institute of Historical Research, Economic and Social History of the Early Modern World Seminar**, 7 February 2020.
  - \* “The adoption of Hindu-Arabic numerals in England and Italy, a comparative perspective (13th-16th c.)”, **Department of History and Philosophy of Science, Departmental Seminar, University of Cambridge**, 7 November 2019.
  - \* [presented together with Vera Zamagni] “The numeracy revolution and its application to solidaristic institutions in the Italian medieval cities”, **Summer School ‘Balancing the books. Administration and bookkeeping in premodern charitable and civic agencies’**, organised by the University of Bologna and the Fondazione del Monte di Bologna, 24-27 June 2019.
  - “The spread of Hindu-Arabic numerals in the tradition of European practical mathematics: A socio-economic perspective, 13<sup>th</sup>-16<sup>th</sup> centuries”, **Economic History Society Conference 2019**, Queen’s University Belfast, 5-7 April 2019.
  - \* “The Spread of Hindu-Arabic Numerals in the Tradition of European Practical Mathematics, a Socio-Economic Perspective” **Renaissance Society of America Conference**, Toronto, 17-19 March 2019.
  - \* “From 1202 Pisa to 1600 London: a Sketch of the European Tradition of Practical Arithmetic” **II Fibonacci e i percorsi mediterranei delle scienze matematiche**, University of Naples Federico II, 28-29 November 2018.
  - “The Spread of Hindu-Arabic Numerals in the Tradition of European Practical Mathematics, a Socio-Economic Perspective: 13<sup>th</sup>-16<sup>th</sup> Centuries”, **Associazione per la Storia Economica Workshop**, Bocconi University, Milan, 14-15 September 2018.

- “Tracking the diffusion of the Commercial Revolution. A research project”, **European Historical Economics Society Conference**, Tübingen, 1-2 September 2017.

## TEACHING EXPERIENCE

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| 2021 – 2022 | <b>Sant’Anna School of Advanced Studies (Pisa)</b> <ul style="list-style-type: none"> <li>- Examiner for the admission assessment of undergraduate students (2021, 2022)</li> <li>- Graduate course on the History of Capitalism, invited lecturer</li> </ul>  |
| 2018 – 2019 | <b>University of Cambridge – Faculty of History</b> <ul style="list-style-type: none"> <li>- Supervisor for Part I, Paper 14 (European History c.900 – c.1450)</li> <li>- Part II, Paper 1, Historical Argument and Practice. Classes in Renaissance and Cultural History (undergraduate classes part of the Bachelor’s in History degree).</li> </ul> |
| 2018 – 2019 | <b>University of Cambridge – Faculty of Economics</b><br>Marker of admission assessment scripts for the BA in Economics.   |
| 2017 – 2018 | <b>University of Cambridge – Faculty of History</b><br>Part II, Paper 1, Historical Argument and Practice classes in Intellectual and Cultural History (undergraduate classes part of the Bachelor’s in History degree).   |
| 2017        | <b>Pembroke College – University of Cambridge</b><br>Invigilator at undergraduate admissions interviews.   |

## PROFESSIONAL AFFILIATIONS

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Associazione per la Storia Economica (ASE)

Economic History Society (EHS)

Renaissance Society of America (RSA)

Società Italiana di Storia della Filosofia (SISF)

## OTHER RELEVANT AFFILIATIONS AND ENGAGEMENT

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| 2014 – in progress | <b>Pandora Rivista.</b> <sup>4</sup><br>Co-founder, editor and member of editorial board: journalism, publishing, research, event planning, public speaking, networking, web development, social media management. Publication of 21 monographic printed volumes, over 1000 online articles, and over 800 subscribers. Organisation of the Pandora Rivista Festival in Bologna with over 100 invited speakers and over 1000 participants from the public in 2022. |
| 2017 – 2022        | <b>The Politics of Economics Research Network.</b> <sup>5</sup><br>Interdisciplinary research network hosted at the Centre for Research in the Arts, Social Sciences and Humanities (CRASSH) and the Expertise Under Pressure Research Project of the University of Cambridge. The group aims at bringing different disciplinary angles together for a discussion on the relations between politics and economics. Co-founder and convenor.                       |

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<sup>4</sup> [www.pandorarivista.it](http://www.pandorarivista.it)  
<https://www.pandorarivista.it/festival/festival-2022/>

<sup>5</sup> [www.crassh.cam.ac.uk/programmes/the-politics-of-economics](http://www.crassh.cam.ac.uk/programmes/the-politics-of-economics)  
[hscif.org/portfolio/seminar-the-politics-of-economics/](http://hscif.org/portfolio/seminar-the-politics-of-economics/)  
<https://www.crassh.cam.ac.uk/events/35095/>

2016 – 2017	<b>FEPS – Foundation for European Progressive Studies.</b> Member of the Young Academic Network. Policy paper editor.
2015 – 2016	<b>Scuola di Politiche</b> – Political Science funded program promoted by the AREL Research Centre (Rome).

## LANGUAGES AND IT SKILLS

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Italian (native), English (C2), German (B2), French (good reading), Spanish (good reading).

Working knowledge of Python and GIS methods. Advanced knowledge of MS Office. Acquaintance with DMS and CMS systems. Good knowledge of social media communication (Facebook, Twitter) and SEO ranking.

## OTHER PROFESSIONAL EMPLOYMENT

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2015 – 2016	<b>Bosch Italia Spa</b> – HR/Training department. Internship. Development, organization and sales of technical training projects. Account managers support.
2014	<b>Department of Economics – Municipality of Bologna.</b> Internship. Collaboration to the development of the IncrediBol public announcement, programme for the promotion of local young entrepreneurship. Collaboration with the European project Creative SpIN.
2013	<b>Centro Studi La Permanenza del Classico – University of Bologna.</b> Internship. Editing and proof reading of published volumes. Event planning.
2012	<b>Autofficina Sauro – Bologna – Ferrari, Maserati and Lamborghini.</b> Automotive workshop and bodywork – apprenticeship.