

# Mark Thomas Young

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Markthomasyoung.net

## AOS

History of Science, Philosophy of Technology

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History of Philosophy, Philosophy of Science

## POSITIONS

Postdoctoral Researcher (Jan 2020 – Present)  
Department Technology, Policy & Management  
Technical University of Delft

Lecturer in Philosophy (Part-Time) (Jan 2021 – Present)  
Molde University College

Associate Professor (August 2018 – December 2019)  
Department of Philosophy  
University of Bergen

## EDUCATION

**PHD** in Philosophy (Jan 2013 – Jan 2019)  
University of Bergen  
Project: Technology & Practice in 17<sup>th</sup> Century English Experimentalism  
Supervisors: Sorin Bangu & Harald Johannessen

**MA** in Philosophy (Jun 2009 – Jun 2011)  
University of Bergen  
Thesis: Heidegger and Aristotle: The Unification of Metaphysics ☺

**BA** in Religious Studies (Dec 2011)  
University of Otago

**BA** in Philosophy  
University of Bergen (Jun 2009)

## AWARDS & GRANTS

**Marie Skłodowska-Curie Action (Individual Fellowship)**  
Awarded in February 2020 for the project “How Artifacts Acquire Agency”  
In conjunction with the University of Vienna  
Horizon 2020 MSC Ref: 897827

**Charles Schmitt Prize 2017**  
Awarded by the International Society for Intellectual History  
For the article “Enchanting Automata: Wilkins and the Wonder of Workmanship

**Meltzer Research Fund 2016**  
Funding awarded for Research Stay

**Meltzer Research Fund 2015**  
Funding awarded for Conference Participation & Travel

## RESEARCH STAYS

University of Cambridge  
Department of History and Philosophy of Science  
Visiting Scholar: Michaelmas Term 2015

University of Hawaii at Manoa  
Department of Philosophy  
Visiting Scholar: January – June 2013

## PUBLICATIONS JOURNAL ARTICLES

“Artifacts as Rules: Wittgenstein and the Sociology of Technology”  
*Techné: Research in Philosophy and Technology*, 22(3) 2018

“Heuristics and Human Judgement: What we Can Learn About Science from the Study of Engineering Design”  
*Topoi: International Review of Philosophy* 2018

“Nature as Spectacle: Experience and Empiricism in Early Modern Science”  
*Centaurus* 59(1-2) 2018

“Enchanting Automata: Wilkins and the Wonder of Workmanship”  
*Intellectual History Review* 27(4) 2017

“Manual Labor and Mean Mechanicks’: Bacon’s Mechanical History and the Deprecation of Craft Skills in Early Modern Science  
*Perspectives on Science* 25(4) 2017

“Technology and Technique: The Role of Skill in the Practice of Scientific Observation”  
*Perspectives on Science* 24(4) 2016

“Relevance and Relationalism”  
*Metaphysica* (12) 2011

## BOOK CHAPTERS

“Maintenance”  
*The Routledge Handbook of the Philosophy of Engineering*  
N. Dorn & D. Michelfelder (eds) Routledge 2021

“Now You See it (Now You Don’t): Users, Maintainers and the Invisibility of Infrastructure”  
*Technology and the City: Towards a Philosophy of Urban Technologies*  
P. Vermaas, T. Stone, M. Woge & M. Nagenborg (eds) Springer, 2021

“Early Royal Society”  
*The Encyclopedia of Early Modern Philosophy and the Sciences*  
C. Wolfe & D. Jalobeanu (eds) Springer 2020

“Experimentalist as Spectator: The Phenomenology of Early Modern Experimentalism”  
*The Past, The Present, The Future of Integrated History and Philosophy of Science*  
E. Herring, K. Kiprijanov, K. Jones & L. Sellars (eds) Routledge 2019

“Intuition and Ineffability: Tacit Knowledge and Engineering Design”  
*The Future of Engineering: Philosophical Foundations, Ethical Problems and Application Cases*. A. Fritzsche & S. Oks (eds) Springer 2018

## SELECTED TALKS

“Invisible Structures - Maintenance, Repair and the Experience of Infrastructure”  
Philosophy of the City Summer Colloquium: Technology and the City,  
University of Twente (12/6/18)

“Manual Labor and Mean Mechanics; Codifying Craft Knowledge in the Enlightenment”  
Natures and Spaces of Enlightenment: David Nichol Smith Seminar and ANZSECS Conference, Griffith University,  
Brisbane, December 13th 2017

“Maintenance: Technology in Process”  
SPT 2017 (Society for Philosophy of Technology Annual Conference)  
TU Darmstadt, (14/6/17)

“Making or Using? The Geiger Counter and Early Cosmic Ray Research”  
Nordic Network for Philosophy of Science  
University of Copenhagen (20/4/17)

“Artefacts as Rules: Wittgenstein and the Sociology of Technology”  
Wittgenstein and the Philosophy of Technology Workshop  
University of Vienna (13/3/17)

“Experimentalist as Spectator: The Phenomenology of Early Modern Empiricism”  
Past, Present and Future of Integrated History and Philosophy of Science Conference University of Leeds,  
U.K (13/01/17)

“Nature as Spectacle: Experience and Empiricism in Early Modern Science”  
Bucharest Colloquium in Early Modern Science  
University of Bucharest (26/10/16)

“Production or Emergence? The Phenomenology of Technical Artifact Functions and the Case of the Geiger  
Counter”  
Society for the Study of New and Emerging Technologies (Snet 2016)  
University of Bergen (14/10/16)

“Transcending the Distinction between Making and Using: The Phenomenology of Technical Artifact Functions”  
Society for Philosophy of Science in Practice (SPSP 2016)  
Rowan University, N.J, U.S.A (18/6/16)

“Skills and Ineffability: Tacit Knowledge from an Engineering Perspective”  
Forum for Philosophy and Engineering (fPet 2016)  
Nuremberg, Germany (20/5/16)

## LECTURES – COURSE DEVELOPMENT

*Ex-Phil (Introductory Course in the Philosophy of Science for Natural Science Students)*  
University of Bergen: August 2019 – December 2019  
14 two hour lectures for 230 bachelor level students

*Ethics Component for Ex-Phil (Introductory Course in Philosophy and Ethics for Nursing Students)*  
Molde University College: January 2021  
2 two hour lectures for 130 Students

*Critical Thinking for Engineers*  
Technical University of Delft: November 2020  
3 four hour lectures for 12 PHD students

## GUEST LECTURES

“Science and Society”  
PHIL 220 (Philosophy of Science)  
University of Bergen, November 8, 2018

“Sociology of Science and Feminist Epistemology”  
PHIL 220 (Philosophy of Science)  
University of Bergen: October 3, 2016

## SEMINARS

*Ex-Phil: Introductory Course in the Philosophy of Science for Natural Science Students*  
12 two hour seminars 25 students: Aug 2013 to Jan – Dec 2019  
University of Bergen

## SUPERVISION

*Ethics for Aerospace Engineering: Term Paper Supervision*  
Jan 2020 – Jun 2020: Technical University of Delft

## TEACHING

## WORKSHOP/GROUP ORGANIZATION

Natural Order, Technology & the Laws of Nature  
International Workshop, Department of Philosophy, University of Bergen, April 25th 2019

Interdisciplinary Discussion Group on Science (Co-Founder)  
A group of meteorologists, philosophers, historians, geographers, and linguists who met monthly meetings at the University of Bergen from January 2014 to December 2014 to discuss work related to science

## REFEREE WORK

- **Nuncius**: Journal of the Material and Visual History of Science
- **Notes and Records**: The Royal Society Journal of the History of Science
- **Techné**: Research in Philosophy and Technology
- **Theoria**: International Swedish Journal of Philosophy
- **Food Ethics**: A Journal for the Societies of Agricultural and Food Ethics

## OUTREACH

“Understanding Alchemy”  
Public Lecture given at the opening ceremony of Borealis: Bergen Experimental Music Festival  
Student Quarter, Bergen, March 3<sup>rd</sup> 2014

## REFERENCES

(can be contacted at this stage)

Prof. Sorin Bangu (Dissertation Supervisor)  
University of Bergen  
[Sorin.Bangu@uib.no](mailto:Sorin.Bangu@uib.no)

Prof. Peter Anstey  
University of Sydney  
[peter.anstey@sydney.edu.au](mailto:peter.anstey@sydney.edu.au)

Prof. Sjoerd Zwart (Leader of Postdoctoral Project)  
Technical University of Delft  
S.D.Zwart@tudelft.nl