

# Mark Thomas Young

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AOS

Philosophy of Technology,

AOC

Science and Technology Studies, History and Philosophy of Science

POSITIONS

Postdoctoral Researcher (Jan 2022 – ongoing)  
Department of Philosophy  
University of Vienna

Postdoctoral Researcher (Jan 2020 – December 2021)  
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

**SPT Early Career Award 2021**  
Awarded by the Society for Philosophy of Technology  
For the article “How Artifacts Acquire Agency”

**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 2015 & 2016**  
Funding awarded for Conference Participation & Research Stays

## PUBLICATIONS

### JOURNAL ARTICLES

- “How Artifacts Acquire Agency”  
*Techné: Research in Philosophy and Technology* (online first) Nov 11, 2023
- “From Epistemology to Policy: Reorienting Philosophy Courses for Science Students”  
*European Journal of Philosophy of Science*, 12 (26), 2022
- “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 Mechanics’: 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

- “Technology in Process: Maintenance and the Metaphysics of Artifacts”  
*Maintenance and Philosophy of Technology*  
M. Young & M. Coeckelbergh (eds) Routledge *forthcoming* 2024
- “Artifacts and seasonality: How we guide the built environment through time”  
*Changing Seasonality: How Communities are Revising their Seasons*  
S. Bremer & A. Wardekker (eds) De Gruyter *forthcoming* 2024
- “Performing Science in Early Modern England: Experimental Entertainment and its Audiences”  
*The Routledge Companion to Performance and Science*  
P Johnson, S Parry & A Senior (eds) *forthcoming* 2024
- “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

### CO-AUTHORED PUBLICATIONS

- “Extended Peer Communities: Appraising the Contributions of Tacit Knowledge in Climate Change Decision Making” with Simon Meisch, Scott Bremer & Silvio Functowicz  
*Futures* Vol. 134, January 2022

### BOOKS

- Maintenance and Philosophy of Technology: Keeping Things Going*  
Co-edited with Mark Coeckelbergh (Routledge: forthcoming May 2024)
- Critical Thinking for Engineers: Descriptive and Normative Argumentation*  
Co-authored with Sjoerd Zwart & Eugen Popa (Wiley-Blackwell: forthcoming December 2024)

### SPECIAL ISSUES

- Technology over Time: Philosophical Perspectives on Maintenance  
Guest Editor *Techné: Research in Philosophy and Technology*, (forthcoming 2025)

## SELECTED TALKS

“What’s Missing in AI Ethics? Economics, Politics and Power”

Ledile Workshop ‘Thinking Through Technology’  
Karlsruher Institut für Technologie (21/7/22)

“Maintenance and the lives of Artifacts”

Histories of Maintenance and Repair Workshop  
University of Luxembourg (2/9/21)

“How Artifacts Acquire Agency”

SPT 2021 (Society for Philosophy of Technology Annual Conference)  
University of Lille

“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)

“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)

“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)

## TEACHING

### 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

## WORKSHOP/GROUP ORGANIZATION

*Ex-Phil: Term Paper Supervision*  
Aug 2013 to Jan – Dec 2019: University of Bergen

Maintaining Artifacts: Technology, Time and Human Practice (**sole organizer**)  
International Workshop, Department of Philosophy, University of Vienna, Oct 24 & 25<sup>th</sup> 2023  
(19 invited participants)

Research Network: Maintenance & Philosophy of Technology (**funder & chair**)  
Special Interest Group at Society of Philosophy of Technology currently 140 members  
Online monthly seminars from April 2022 – May 2024

cross-STC CIRP Collaborative Working Group on Ethics in Manufacturing (**co-founder**)  
Launching 21<sup>st</sup> February at CIRP Winter Meeting (Paris)

Natural Order, Technology & the Laws of Nature (**sole organizer**)  
International Workshop, Department of Philosophy, University of Bergen, April 25th 2019  
(4 invited participants)

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

## PANEL ORGANIZATION

Process Philosophy & Technology: New Directions (**panel organizer + presenter**)  
(4 individual Presentations) SPT 2023, June 7-10, Tokyo, Japan

Maintenance & Philosophy of Engineering (**panel organizer + presenter**)  
(4 individual Presentations) fPET 2023, 19-21 April, Technical University of Delft, Netherlands

Cities as Sites of Maintenance (**panel organizer + presenter**)  
(4 individual Presentations) POTC 2022, 20-22 October, Turin, Italy

## PROFESSIONAL MEMBERSHIP

- Member of 4TU Centre for Ethics and Technology
- Member of the Philosophy of the City Research Group
- Member of the Society for Philosophy of Technology
- Member of Embedded Ethics Expert Panel (Technicon, Haifa, 2 November 2022)
- Member of fPET2023 Program committee

## REFeree WORK

- **Nuncius**: Journal of the Material and Visual History of Science
- **British Journal for the History of Science**
- **European Journal for Philosophy 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
- **Foundations of Science**

## 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

Prof. Sorin Bangu (Dissertation Supervisor)  
University of Bergen  
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Prof. Mark Coeckelbergh (Current Research Project Supervisor)  
University of Vienna  
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