

ALEXANDRA KARAKAS

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25.08.1991

Areas of Interest: Philosophy of Science,
History of Science, Science and Technology
Studies, Design Research

EDUCATION

PhD Student | 2017-2022

Eötvös Loránd University

PhD School in Philosophy

Title of the thesis: Technical Artefacts and the
Problem of Malfunction. Defended on 10, March,
2023.

Master's Degree | 2014-2016

Moholy-Nagy University of Art and Design
Design Theory

**Master's Degree, Erasmus Scholarship | 2015-
2016**

National College of Art and Design
Design History and Material Culture

Bachelor's Degree | 2011-2014

Moholy-Nagy University of Art and Design
Art and Design Theory

ACADEMIC EXPERIENCE

Assistant Professor | September 2023-

Budapest University of Technology and Economic

Research Fellow | 2024-

Values and Science Research Group
HUN-REN, Department of Philosophy

Assistant Research Fellow | 2021-2024

Values and Science Research Group
HUN-REN, Department of Philosophy

Lecturer | September 2019-

Budapest University of Technology and Economic

Lecturer: Design Theory | September 2019-

Milestone Institute, Budapest

Editorial Assistant | June 2016-May 2017

Roads Publishing, Dublin

PRESENTATIONS IN ENGLISH

**The anatomical Venus models as epistemic
instruments: value influences in the
representation of women in science | 18
September 2024**

Scientific Instrument Commission Symposium,
Ottawa

**The maintenance and malfunction of the Hubble
Space Telescope. An STS analysis | 24 October
2023**

Maintaining Artefacts: Technology, Time, and
Human Practice. University of Vienna

**How can Science and Technology Studies benefit
from the Philosophy of Maintenance? | 25 May
2023**

Malfunction, Error, Failure. How to learn from
scientific mistakes? Research Centre for the
Humanities, Budapest

**How can Science and Technology Studies
Benefit from the Philosophy of Maintenance? |
21 April 2023**

Forum on Philosophy, Engineering, & Technology.
TU Delft, The Netherlands

**Are Artefacts Value-laden? The Epistemic Value
of Scientific Artefacts | 17 February 2023**

Workshop on the Legacy of the Value-Free Ideal
of Science, Uppsala University, Sweden

**Argumentative Artefacts. Toward a theory of
multimodal visual argumentation | 28
September 2022**

European Conference on Argumentation,
Università di Roma Tre, Rome, Italy

**Malfunction Notions in AI and Design | 7
September 2020**

Should we Delete the Error? The Value of Errors
in the Age of Robotics and AI, online

**How to Prevent Malfunction in Technical
Artefacts? Maintenance, Function, and
Malfunction in Technology | 12 December 2019**

Budapest Workshop on Philosophy of
Technology,
Budapest, Hungary

PRESENTATIONS IN ENGLISH

Technical Artefacts and the Problem of Malfunction | 22 May 2019

The Society for Philosophy and Technology Biennial Conference, Texas A&M University, Texas, USA

Technological Determinism and the Concept of Verisimilitude | 13 July 2018

Human-Technology Relations: Postphenomenology and Philosophy of Technology, University of Twente, Enschede, Netherlands

Determinist Re-reading: How Technology Leads Improvisation? | 7 February 2018

Technologies and Improvisation: Tools and Theories for Uncertain Futures. Nordic Summer University Ad Hoc Symposium, University of Gothenburg, Gothenburg, Sweden

Did Mirrors Determine Caravaggio? | 1 December 2017

Budapest Workshop on Philosophy of Technology, Sztaki, Budapest, Hungary

Applying Object-Oriented Ontology to Technical Artefacts | 14 June 2017

The Society for Philosophy and Technology Biennial Conference, Technische Universität, Darmstadt, Germany

PRESENTATIONS IN HUNGARIAN

Are Scientific Artefacts Innocent? How can we grasp the complex epistemic role of artefacts? | 17 May 2022

Institute of Philosophy, Research Centre for the Humanities, Hungarian Academy of Sciences

Design or Material Culture? | 30 June 2018

International Artist in Residence of Debrecen, Debrecen, Hungary

What do objects want? | 30 May 2018

Design and Science Conference, Budapest University of Technology and Economics, Budapest

SELECTED PUBLICATIONS

The Practice Turn

Bárdos, D., Karakas, A. | In. *Routledge Handbook of the History of Philosophy of Science*. Forthcoming, 2025.

Maintaining scientific instruments: artifacts, malfunction, and values

Karakas, A. | In. *Engineering and Value Change*. Springer. Forthcoming, 2025

Evaluating Visual Arguments in Science: A case study of the Mars Phoenix Lander's images

Csordás, H.V., Karakas, A. | *Journal of Argumentation in Context*. Forthcoming, 2025.

Materializing Values

Karakas, A., Tuboly, A.T. | *Synthese*, Vol 204, 5, 2024

Visual Argumentation in the Framework of the Dual-Inference System

Csordás, H.V., Karakas, A. | College Publications. Forthcoming, 2024.

A New Account of the Relation between Art, Science, and Design: Noam Andrews: The Polyhedrists

Karakas, A. | *Disegno*, 6 : 1 pp. 126-130, 2022.

Episztemológiai tárgyfallációk (Epistemic Artefact Fallacies) | Polanyiana, 31(2): 3-17., 2022.

Malfunction, Maintenance, and Materials

Karakas, A. | *Materials Experience 2. Expanding Territories of Materials and Design*, Elsevier, 175-177, 2021.

Maintenance, Function, and Malfunction in Technology

Karakas, A. | *Információs Társadalom*, Vol XIX/4, p 40-49, 2019.

Technical Artefacts and the Problem of Malfunction | 2019

Society for Philosophy and Technology Graduate Student Paper Award

Did Mirrors Determine Caravaggio? | 2019

Essays in Post-Critical Philosophy of Technology, Vernon Press, USA, 109-114

A tárgyak színeváltozása, avagy hogyan lettek újra érdekesek az artefaktumok? | 2018

Designresistance: Catalogue of the International Artist in Residence of Debrecen, Modem, Debrecen, 27-31

220 felett: Review of the book Felbomlás és dromokrácia | 2018

Magyar Tudomány, 179(2018)8, 1252-1255

SERVICE TO THE PROFESSION

2024

**European Philosophy of Science Association
Fellow**

Descartes Institute, University of Utrecht
Utrecht, Netherlands

2023

**Organizing the Malfunction, error, failure
conference.** Hungarian Academy of Sciences,
Budapest (19 participants from 13 countries)

2022

**Organizing the 'Knockdown Arguments'
Online Workshop** (10 participants from 6
countries)

2023, 2021, 2019, 2017-

**Organizing the Budapest Workshop in
Philosophy of Technology biennial conference**

2020-

Popularisation of science, qubit.hu

2109-

**Member of the Measures of Rationality
Research Group**

Budapest University of Technology and
Economics

2018-

**Budapest University of Technology and
Economics, Organizing the weekly
departmental seminar series**

2018

**Organizing the Conference 'Design and
Science'**

Budapest University of Technology and
Economic

2017-

Writing on contemporary art for artportal.hu

TEACHING EXPERIENCE

2023 September-

Science Communication

Department for Philosophy and History of
Science, Budapest University of Technology and
Economics

2019-

Research Methodology for engineers

Department for Philosophy and History of
Science, Budapest University of Technology and
Economics

2020-

Philosophy and Art (also in English)

Department for Philosophy and History of
Science, Budapest University of Technology and
Economics

2019-

Research Methodology for economists

Department for Philosophy and History of
Science, Budapest University of Technology and
Economics

2019-2020

History of Design

Milestone Institute, Budapest