

**Siska De Baerdemaeker**  
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## Education

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- 2014 – ...      **UNIVERSITY OF PITTSBURGH** – Doctoral Candidate in History & Philosophy of Science
- Dissertation: “Cosmology: The Impossible Integration?”
  - Committee: John Norton (chair), Arthur Kosowsky, Sandra Mitchell, James Woodward
- 2012 – 2014      **UNIVERSITY OF LEUVEN** – B.Sc. in Physics
- 2012 – 2013      **UNIVERSITY OF LEUVEN** – M.A. in Philosophy
- 2009 – 2012      **UNIVERSITY OF LEUVEN** – B.A. in Philosophy

## Conference Participation

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### PEER-REVIEWED TALKS

- 2018              “Integrating in the Face of Contradiction: Lessons from Cosmology”, 26th Biennial Meeting of the Philosophy of Science Association, Seattle, WA (November 1 – 4)
- 2018              “Evidential Integration in Cosmology”, &HPS: International Conference on Integrated History and Philosophy of Science, Hannover, Germany (July 5 – 7)
- 2018              “Integrating evidence in cosmology: the search for dark matter”, part of symposium “Philosophy of Astrophysical Practice”, 7th Biennial Conference of the Society for the Philosophy of Science in Practice, Ghent, Belgium (June 29 – July 1)
- 2016              “Georges Lemaître and the Role of Observations in Early Twentieth Century Relativistic Cosmology”
- 32<sup>nd</sup> Boulder Conference on the History and Philosophy of Science: “Gravity: Its History and Philosophy”, Boulder, CO (October 30)
  - History of Science Society Annual Meeting, Atlanta, GA (November 2)

### INVITED TALKS

- 2018              Discussion leader for “Norton for Everyone? The Material Theory of Induction and Beyond”, Center for Philosophy of Science, Pittsburgh, PA (October 27 – 28)
- 2018              “Evidential Integration in Cosmology”, 2nd Leuven – Buenos Aires Workshop in Philosophy of Physics, Leuven, Belgium (July 22 – 23)

### CAMPUS TALKS

- 2018              “Can Cosmology Probe Particle Physics Beyond the Standard Model?”, Arts & Sciences Graduate Student Expo, University of Pittsburgh, Pittsburgh, PA (March 23)
- 2017              “Natural Experiments in Cosmology”, Arts & Sciences Graduate Student Expo, University of Pittsburgh, Pittsburgh, PA (March 24)

### INVITED DISCUSSANT

- 2018              22nd Seven Pines Symposium, “What Counts as Evidence?”, Stillwater, MN (May 16 – 20)
- 2017              21st Seven Pines Symposium, “Black Holes in the Spotlight”, Stillwater, MN (May 17 – 21)

- 2017 Philosophy of Cosmology Workshop. Organizer: Elise Crull, CUNY Graduate Center, New York City, NY
- 2017 “Methodology and Epistemology in Cosmology”, UC Irvine, Irvine, CA (February 10 – 12)
- 2016 20th Seven Pines Symposium, “Big Questions. Some Fundamental Problems in Physics”, Stillwater, MN (May 11 – 15)

#### **SUMMER SCHOOL**

- 2018 Rotman Summer Institute in Philosophy of Cosmology, Goderich, Ontario, Canada (June 11 – 20)
- 2015 3rd International Summer School in Philosophy of Physics, “The Ontology of Physics”, Saig, Germany (July 20 – 25)

#### **Teaching Experience**

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##### **PRIMARY INSTRUCTOR (UNIVERSITY OF PITTSBURGH)**

- 2018 Space, Time, and Matter (Spring): history of cosmology and astronomy
- 2017 Principles of Scientific Reasoning (Fall)

##### **TEACHING ASSISTANT (UNIVERSITY OF PITTSBURGH)**

- 2016 Mind & Medicine (Spring): philosophy of medicine, philosophy of psychiatry. Primary Instructor: James Woodward
- 2015 Introduction to Philosophy of Science. Primary Instructor: Andrew Inkpen

##### **TEACHING TRAINING**

- 2016 – 2018 Achievement in Pedagogy Badge, offered by the Graduate Student Teaching Initiative at the Center for Teaching and Learning, University of Pittsburgh
- 2016 AAPT Workshop on Teaching and Learning in Philosophy with a Special Emphasis on Inclusive Pedagogy, University of Pittsburgh (February 4)

#### **Service**

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##### **CONFERENCE ORGANIZATION**

- 2017 Co-organizer of “Super-PAC: Early Career Workshop in Philosophy of Astrophysics and Cosmology”, Center for Philosophy of Science, Pittsburgh, PA (October 27 – 29)

##### **SERVICE TO THE DEPARTMENT**

- 2018 HPS Graduate Student Representative
- 2016 – 2017 HPS Representative to the Pitt Arts and Sciences Graduate Student Organization
- 2015 HPS Work In Progress Talks Organizer

##### **PUBLIC OUTREACH**

- 2018 Astro on Tap talk: “You say you want a revolution (in your cosmological theories)?”, Pittsburgh, PA (April 26)
- 2018 Public Lecture at Allegheny Observatory: “Space Oddities”, Pittsburgh, PA (April 20). With Nora Boyd.
- 2017 Co-creator of an Instant HPS video on the discovery of Brownian motion, “The Botanist and the Sphynx”, available here : [https://www.youtube.com/watch?v=qukJgpN\\_VSY](https://www.youtube.com/watch?v=qukJgpN_VSY). With William Penn and John Norton.

## REVIEWER

Philosophy of Science (2017), Synthese (2018)

## Awards, Prizes & Recognition

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2018	Wesley C. Salmon Fund, Travel grant (Spring)
2018	Outstanding Presenter Award at Pitt Graduate Student Expo
2017	Outstanding Presenter Award at Pitt Graduate Student Expo
2016	Wesley C. Salmon Fund, Travel grant (Fall and Spring)
2015	Wesley C. Salmon Fund, Research grant
2014 – 2015	Honorary Fellow of the Belgian American Education Fund

## Selected Graduate Coursework

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### HISTORY AND PHILOSOPHY OF SCIENCE

- History of Science I: History of the Physical Sciences (Paolo Palmieri)
- Philosophy of Science Core Seminar (John Norton)
- History of Science II: History of the Life Sciences (James Lennox)
- Experiment & Scientific Practice (Mazviita Chirimuuta)
- Recent Topics in Philosophy of Science (Adam Caulton)
- Recent Topics in Philosophy of Physics – Climate Science (Giovanni Valente)
- Einstein 1905 (John Norton)
- Models & Modeling (Sandra Mitchell & James Woodward)
- Galileo (Paolo Palmieri)
- Realism (Mazviita Chirimuuta)
- Theories of Confirmation (John Norton)
- Science and Metaphysics (Porter Williams) – *audit*
- Modern Cosmology (John Norton) – *audit*

### PHILOSOPHY AND HISTORY OF PHILOSOPHY

- Topics in Logic (Michael Caie)
- Locke & Leibniz (Peter Machamer)
- Scholasticism (Paolo Palmieri)

### PHYSICS

- Nuclear and Particle Physics (Ayres Freitas)
- General Relativity I (Eric Swanson)
- Particle Astrophysics (Ayres Freitas)
- General Relativity II (Eric Swanson) – *audit*
- Topics in Quantum Physics – Physics at the LHC (Tae Min Hong) – *audit*