

## **Session Program**

**5-26 Mar 2021**

# **Virtual entities in science: a virtual workshop**

## ***Contributed Talks***

Online

RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623  
Berlin, Germany

## Friday 5 March

14:30

### Contributed Talks

**Session** |**Location:** Online, RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany

14:30–15:10

#### Virtual Presence in the Early Modern Conception of Immaterial Entities

**Speaker**

Edward Slowik

15:10

15:25

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**Session** |**Location:** Online, RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany

15:25–16:05

#### Robert Grosseteste and Roger Bacon on Virtual States in Medium Propagation

**Speaker**

Matthew Gardhouse

16:05–16:45

#### Historizing the virtual: a promising methodology and a study of the ether

**Speaker**

Urko Gorriñobeaskoa

16:45

## Friday 12 March

14:30

### Contributed Talks

**Session** |

**Location:** Online, RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany

14:30–15:10

#### How possible is the virtual? Lessons from the mechanical tradition

**Speaker**

Michael Stoeltzner

15:10

15:25

### Contributed Talks

**Session** |

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15:25–16:05

#### Substitute Radiators, Virtual Oscillators, and Actual Transitions: Radiation Processes in the Old Quantum Theory and Quantum Mechanics (1913–1927)

**Speakers**

Alexander Blum, Martin Jähnert

16:05–16:45

#### “The new conception of the postulates:” Virtual entities and the Bohr-Kramers-Slater reformulation of the (old) quantum theory

**Speaker**

Daniel Jon Mitchell

16:45

## Friday 19 March

15:15

### Contributed Talks

**Session** |

**Location:** Online, RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany

15:15–15:55

#### Material and virtual agents of heredity, 1870 to 1930

**Speaker**

Mike Buttolph

15:55–16:35

#### False Mathematical Entities and Aesthetic Economic Explanations as Virtual Matters

**Speakers**

Gonzalo Carrión, Sandra Visokolskis

16:35

16:50

### Contributed Talks

**Session** |

**Location:** Online, RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany

16:50–17:30

#### The Ghost in the Machine: Emergent Metaphors of 'Virtual' and 'Artificial' in Computer Science in the 1950s

**Speaker**

Joseph Wilson

17:30–18:10

#### What's a virtual entity?

**Speaker**

Alexandre Declos

18:10

## Friday 26 March

14:28

### Contributed Talks

**Session** |**Location:** Online, RWTH Aachen, Templergraben 57, 52062 Aachen, Germany TU Berlin, Straße des 17. Juni 135, 10623 Berlin, Germany

14:28–15:08

#### **Getting to know “the language of Dirac’s theory of radiation”. Narratives and representations of quantum electrodynamics (QED) in the 1930s**

**Speaker**

Markus Ehberger

15:08

15:25

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15:25–16:05

#### **Virtuality in nuclear physics (1930s-1940s): the many meanings of an emerging concept**

**Speaker**

Jean-Philippe Martinez

16:05