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< ONTOLOGY MEETING, Barry Smith 教授連続講義と討論 >

6月21日(水) 15時-18時15分 慶應大三田キャンパス東館6階 G-Lab

June 21st, Wed., 15:00 at G-Lab, 6<sup>th</sup> floor, East Building, Mita Campus, Keio University

会合最新情報 URL: <https://abelard.flet.keio.ac.jp/seminar/pdf/ontology20170621.pdf>

Ontological Realismの哲学的立場、Formal Ontology, ビッグデータの知識共有基盤としての高次オントロジー、生命科学・医学オープンデータベースのオントロジーによる統合(Open Biomedical Ontologies Foundry)、法的オントロジーについての議論等を含む連続講義です。前提知識なしに聴講できます。

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講師: ニューヨーク州立大学バッファロー校哲学科 SUNY Distinguished Professor および National Center for Ontological Research Director の Barry Smith

参加自由、事前登録なしです。(ご自由に途中退席もできます。)

(下に講師紹介とアブストラクトがあります / Abstract attached below)

場所 Venue:

慶応義塾大学三田キャンパス 東館6階 G-Lab (東館は下記キャンパスマップの③です)

G-Lab, 6th Floor, East Building, Mita Campus Keio Univ. (Number 3 of the Campus Map below)

(構内図 Campus Map) <https://www.keio.ac.jp/ja/maps/mita.html>

日時 Date & Time:

6月21日(水) 15:00-18:15 (the discussion could be extended by 15 minutes)

(June 21st, Wed.),

14:50-15:00 Registration

15:00 Introductory remark, Mitsuhiro Okada, Keio University

15:15-16:15 First Lecture, Barry Smith

“An Introduction to Applied Ontology”

16:15-16:40 Q&A on the First lecture and short pause

16:40 Second Lecture, Barry Smith

“How Applied Ontologies are Being Used”

17:40 Q&A and Discussion on Applied Ontology, discussion coordinated by Mitsuhiro Okada

18:15 End of Discussion Session

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講師紹介 Guest Lecturer :Barry Smith

Distinguished Professor of Department of Philosophy, University at Buffalo, State University of New York, with joint appointments in the Departments of Biomedical Informatics, Neurology, and Computer Science and Engineering. He also serves as Director of the National Center for Ontological Research.

Smith made various contribution to philosophy of formal ontology, and logic as well as to studies on Austrian philosophy. Smith's pioneering work on the science of ontology led to the establishment of Basic Formal Ontology (BFO) as the most commonly adopted upper-level ontology development framework. It also led to the formation of the OBO (Open Biomedical Ontologies) Foundry, a suite of interoperable ontology modules designed to support information-driven research in biology and biomedicine. The methodology underlying BFO and the OBO Foundry is now being applied in a range of different domains, including military intelligence, defense logistics, industrial engineering, and sustainable development.

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ABSTRACTS of the two lectur

#### Lecture 1. "An Introduction to Applied Ontology"

The tradition philosophical discipline of ontology is becoming of ever greater significance. This is because of the adoption of ontological methods by computer scientists exploring the world of Big Data. Big Data live in information systems, and one major obstacle to the exploitation of Big Data turns on the fact that information systems built by different groups for different purposes do not work well together. The data become locked away in siloes. It is as part of a strategy for addressing this problem that ontological methods are being applied to bring organization to the world of data and information. We will show how ontologies are being used – for example in the Siri app in your iPhone – and describe how the discipline of applied ontology relates to the more traditional approach to ontology that we know from philosophy.

#### "How Applied Ontologies are Being Used"

The first successful uses of ontology technology were in the area of biology and medicine. Subsequently, ontologies have been used in military and defense, finance, manufacturing industry, and sustainable development. I will survey some of these developments and conclude by addressing how the same approach might be extended in the field of law. Topics to be addressed under this heading will include: obligations, rights, commitments, and punishment.

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論理と感性のグローバル研究センター、三田ロジックセミナー 共催

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