Transforming Ontologies into Nested Facet Systems

DATE
Thursday
Sept. 19, 2019

LOCATION
UHS 130
(Beside Employee Health)

TIME
12:30—1:30 pm
Pizza will be served beginning at 12:20 pm

Irrespective of data size and complexity, query and exploration tools for accessing data resources remain a central linkage for human-data interaction. A fundamental barrier in making query interfaces easier to use, ultimately as easy as online shopping, is the lack of faceted, interactive capabilities. We propose to repurpose existing ontologies by transforming them into nested facet systems (NFS) to support human-data interaction. Two basic issues need to be addressed for this to happen: one is that the structure and quality of ontologies need to be examined and elevated for the purpose of NFS; the second is that mappings from data-source specific metadata to a corresponding NFS need to be developed to support this new generation of NFS-enabled web-interfaces. The purpose of this presentation is to motivate the concept of NFS, provide a preliminary order-theoretic formulation for NFS, and suggest topics for further investigation.

Presented by:

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REGISTRATION REQUIRED

To reserve your place, please click this link by *Wednesday, September 18, 2019.*
If you require special physical arrangements to attend this program, please call 323-8545.

CCTS Biomedical Informatics (BMI) Core

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Institute for Biomedical Informatics
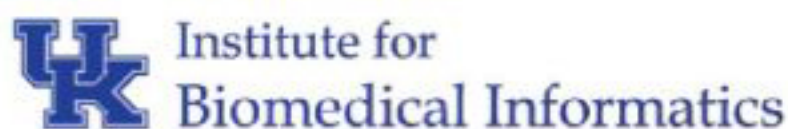
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