



“RulesReasoningLP” Mini-series Launch

Opening Remarks by

Community & Technology Leaders and the Mini-series Co-champions:

- Professor Michael Gruninger (IAOA; U of Toronto)
- Professor Michael Kifer (SUNY, Stony Brook)
- Dr. Leora Morgenstern (SAIC)
- Dr. Vinay Chaudhri (SRI)
- Dr. Harold Boley (RuleML; U of New Brunswick)
- Dr. Henson Graves (Algos Associates; OMG)
- Professor Ken Baclawski (Northeastern U)
- Dr. John Sowa (VivoMind Research)
- Mr. Mike Dean (Raytheon-BBN)
- Mr. Peter Yim (Ontolog; CIM3)

Thu 2013.10.24

(v.1.00)

See: http://ontolog.cim3.net/cgi-bin/wiki.pl?ConferenceCall_2013_10_24

Opening Remarks
by

Michael Gruninger (IAOA; U of Toronto)

(No slides)

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Michael Kifer (SUNY, Stony Brook)

(No slides)

Opening Remarks
by

Leora Morgenstern (SAIC)

(No slides)

RulesReasoningLP Opening Remarks

Vinay K. Chaudhri

- Perspective: a power user / an application developer
 - Distinction between rules and ontologies is artificial
 - The distinction should be made between decidable vs undecidable reasoning
 - An application developer should not have to worry about or know the difference
 - Rules and ontologies vs conceptual models
 - While for some domains rules and/or ontology may provide a natural abstraction for knowledge acquisition, for most domains it does not
 - Support and design for higher level modeling primitives and language support should be viewed as a worthy design activity (e.g., UML models, hierarchically organized graphs, ontology design patterns etc.)
 - Tasteful combination of features
 - The essence of language design for an application is a tasteful combination of features and not support for every imaginable feature

Opening Remarks by

Harold Boley, et al. (RuleML)

click [Here](#) for slides

see: http://ontolog.cim3.net/file/work/RulesReasoningLP/2013-10-24_RulesReasoningLP_Launch/RulesReasoningLP-Launch_opening-remarks--HaroldBoley-et-al_20131024.pdf

RulesReasoningLP Session 4: Guide to Reasoning Application Development and Cases

- **What are potential applications where reasoning can have high payoff**
 - In product development many of most costly disasters are due to inconsistent knowledge being used to make decisions – simple reasoning could identify inconsistencies
- **What are preconditions for success**
 - if proposing reasoning solution, analyze customer needs
- **Abstract** (Ken Baclawski & Henson Graves)
 - Reasoning systems applications
 - Organized around realistic use cases and how well various systems deal with these cases
 - Interest is “industrial-strength” rather than academic exercises
 - Experience reports welcome
 - Potential future applications of interest

Examples of Rules and Reasoning

Kenneth Baclawski

College of Computer and Information Science
Northeastern University

- Rules and reasoning occur in many contexts in industry and government
 - What are examples of successful and unsuccessful uses of rules and reasoning?
 - What can one learn about them?
 - Are there cross-industry best practices?
- Examples where rules and inference are used.
 - Databases have constraints and triggers.
 - Many programming languages have type inference.
 - Business rule engines
 - Situation awareness in military and medical settings
 - Military rules of engagement

Opening Remarks by

John Sowa (VivoMind Research)

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Opening Remarks
by

Mike Dean (Raytheon-BBN)

(No slides)

Opening Remarks at the “RulesReasoningLP” Mini-series Launch

Peter Yim (Ontolog; CIM3) ... Thu 2013.10.24 (v.1.00)

- This is an important “next step” in our collaborative effort to bring Ontology and Semantic Technology to the community and their collaborators
- we are expanding the usual conversation topics and reaching out ...
 - Ontology → application of ontology
 - Ontologist, ontology engineers → systems engineers, application developers
 - Classical logics → non-monotonic logics, defeasible logics, ...
 - Formal ontologists → semantic web researchers/implementors, systems modelers, ...
- realizing the **ONTOLOG** mission of ...
 - discussing practical issues and strategies associated with the development and application of Ontologies
 - striving to advance the field of ontological engineering and semantic technologies, and to help move them into main stream applications
- Kudos to those who are contributing – they are making a major contribution to the body-of-knowledge that this community has been collaboratively building, since we came together in 2002