

OntologySummit2012

[WikiHomePage](#) | [RecentChanges](#) | [Page Index](#)



(31FD)

Ontology Summit 2012: Ontology for Big Systems

(2Y6C)

This Summit is co-organized by [Ontolog](#), [NIST](#), [NCOR](#), [NCBO](#), [IAOA](#) & [NCO_NITRD](#), and is the 7th in the series of 3-month open annual events, by and for the Ontology Community and their collaborators. (2Y6D)

see: [OntologySummit2012_Communique](#), our [Website](#), and [OntologySummit](#) (2Y6E)

- [Focus and Objectives](#) (308Z)
- [Process, Organization & Workspace](#) (3090)
- [Calendar & Events](#) (3092)
- [The Team](#) (3091)
- [Join us!](#) (3093)
- (31Q3)

What's New: (3094)

- [... in the News, Blogosphere & Literature](#) (31Q4)
- see this year's [Communique here](#) - <http://ontolog.cim3.net/OntologySummit/2012/communique.html> (3AL2)
 - Ref. [OntologySummit2012_Communique](#) (3AL3)
 - (*endorsement solicitation is now closed; the following is retained here for the record only!*) ... we [solicit and welcome the endorsement of this Communique](#) by members of the broader community of ontologists, system engineers and "big systems" and "big data" stakeholders (39WE)
 - note that your endorsement will be made by you as an individual, and not as a representative of the organization(s) you are affiliated with (39WC)
 - your endorsement shall apply to [OntologySummit2012_Communique](#) version 1.0 (as adopted at 14:28 EDT on 13-Apr-2012) plus any non-substantive edits which the co-lead editors have been empowered to make subsequently. (*It's currently on v1.01 now*) (39WI)
 - this solicitation will be open for one month (and was closed as of end-of-day 12-May-2012; then extended for a week) ... *as such, endorsement is now closed; we thank each and every individual who had contributed to this historic document, or who had sent in his/her endorsement.* (39WF)
- [2012_04_26 - Thursday: OntologySummit2012: review and follow-up action planning \("postmortem"\) session](#) - Co-chairs: [LeoObrst](#) & [NicolaGuarino](#) - [ConferenceCall_2012_04_26](#) (3ABX)
- [2012_04_13](#) - the [OntologySummit2012_Communique](#) was formally adopted by the community at the [OntologySummit2012_Symposium](#) (39WC)
 - see this year's [Communique here](#) - <http://ontolog.cim3.net/OntologySummit/2012/communique.html> (39WD)
- [2012_04_12](#) - a new community [Survey](#), developed by [AmandaVizedom](#), [MikeBennett](#) and [SimonSpero](#), is released (39VK)
 - share your "Experiences with Ontology Quality and Big Systems" with the community by completing this open online [survey questionnaire](#) (39VL)
- [2012_04_12 & 13 - Thursday and Friday: OntologySummit2012 Symposium \(Gaithersburg, Maryland, USA\)](#) - Co-chairs: [RamSriram](#) & [MichaelGruninger](#) - [OntologySummit2012_Symposium ... Pictures](#) (see also: [OntologySummit2012/WorkshopRegistration](#)) (39FW)
- [2012_04_10](#) - The (public facing) [Ontology Summit 2012 website](#), developed by [AliHashemi](#) and [ThomasGetgood](#), was launched - see: <http://ontolog.cim3.net/OntologySummit/2012/> (39US)
- Public review and input by way of "change requests" to the [communique draft](#) is solicited, especially from those in the Ontology Summit community, on this year's summit communique - see details at: [OntologySummit2012_Communique/Draft](#) ... review period ends on Tue 2012.04.10 (39RS)
- [2012_04_05](#) - Thursday: OntologySummit2012 Pre-symposium preparation & Communique Review-II - Co-chairs: [MichaelGruninger](#), [ToddSchneider](#) & [AliHashemi](#) - [ConferenceCall_2012_04_05](#) (38VO)
- [2012_03_30](#) - Friday: 8th OntologySummit2012 Organizing Committee Meeting - ~1.5-Hr. [meeting starting](#) 7:00am PDT / 10:00am EDT / 4:00pm CEST / 14:00 UTC - see details [here!](#) ... (*organizing committee members only*) (3996)
- [2012_03_29 - Thursday: OntologySummit2012 session-12 - "Organizing the 'Big' Communique"](#) - Co-chairs: [ToddSchneider](#) & [AliHashemi](#) - Panelists: [OntologySummit2012](#) chairs & champions - [ConferenceCall_2012_03_29](#) (37YF)
- [2012_03_22 - Thursday: OntologySummit2012 session-11 - Track-1&2 - Chair: MatthewWest](#) - "Big Systems: The ontology of System Components, and System Modelling Language Requirements" - Briefings from: [NicolaGuarino](#), [ChrisPartridge](#), [DavidLeal](#) (presented by [MatthewWest](#)) & [HensonGraves](#) - [ConferenceCall_2012_03_22](#) (372P)
- [2012_03_15 - Thursday: OntologySummit2012 session-10 - Track-3: "Challenge: Ontology and Big Data - III"](#) - Co-chairs: [MaryBrady](#) & [ErnieLucier](#) - Panelists: [TimFinin](#), [KyoungsookKim](#), [MikeFolk](#), [MarioPaolucci](#), [UrsulaKattner](#), [EdinMuharemagic](#) - [ConferenceCall_2012_03_15](#) (35V3)
- [2012_03_08 - Thursday: OntologySummit2012 session-09 - Track-4: "Large-Scale Domain Applications - II: Biomedical, earth & environmental science & engineering"](#) - Co-chairs: [TrishWhetzel](#) & [SteveRay](#) - Panelists: [DavidPrice](#), [MikeKellen](#), [DamianGessler](#), [BlazejBulka](#), [IlyaZaslavsky](#), [LinePouchard](#) - [ConferenceCall_2012_03_08](#) (36J0)
- [2012_03_01 - Thursday: OntologySummit2012 session-08 - Cross-Track-A2: "Ontology for Federation and Integration of Systems"](#) - Co-champions: [CoryCasanave](#) & [AnatolyLevenchuk](#) - Panel Briefings from: [TommiKahela](#), [AnatolyLevenchuk](#), [DennisWisnosky](#), [CoryCasanave](#) - [ConferenceCall_2012_03_01](#) (34VE)
- [2012_02_23 - Thursday: OntologySummit2012 session-07 - Cross-Track-A1: "Implementing Ontology Quality Measures in Big Systems Engineering"](#) - Co-chairs: [AmandaVizedom](#) & [MikeBennett](#) - Panel Briefs from: [AldoGangemi](#), [JenniferWilliams](#), [NicolaGuarino](#), [AmandaVizedom](#) - [ConferenceCall_2012_02_23](#) (34VF)
- [2012_02_16 - Thursday: OntologySummit2012 session-06 - Track-4: "Large-Scale Domain Applications - I: Energy, Government and Geography"](#) - Co-chairs: [SteveRay](#) & [TrishWhetzel](#) - Panelists: - [AndrewCrapo](#), [KrzysztofJanowicz](#), [BruceBauman](#), [MillsDavis](#) - [ConferenceCall_2012_02_16](#) (34S2)
- [2012_02_09 - Thursday: OntologySummit2012 session-05 - Track-3: "Meeting Big Data Challenges through Ontology - I & II"](#) - Co-chairs: [ErnieLucier](#) & [MaryBrady](#) - Panelists: [BarrySmith](#), [ChrisMusialek](#), [JeanneHolm](#), [BryanThompson](#), [MikePersonick](#), [JamesKirby](#) - [ConferenceCall_2012_02_09](#) (34G4)
- [2012_02_02 - Thursday: OntologySummit2012 session-04 - Track-1&2: "Ontology for Big Systems & Systems Engineering - II : a response to the problem space and setting out the working program for this Summit Track"](#) - Chair: [HensonGraves](#) - Panelists: [LeoObrst](#), [VictorAgroskin](#), [ChrisPartridge](#), [DavidLeal](#), [ElisaKendall](#), joined by the panelists of session-03 - [ConferenceCall_2012_02_02](#) (33C6)
- [2012_01_26 - Thursday: OntologySummit2012 session-03 - Track-1&2: "Ontology for Big Systems & Systems Engineering - I : The Systems and Systems Engineering Problem Space"](#) - Chair: [MatthewWest](#) - Panel Briefs: [JackRing](#), [AnatolyLevenchuk](#), [GiancarloGuizzardi](#), [MatthewWest](#) - [ConferenceCall_2012_01_26](#) (32XT)
- [2012_01_19 - Thursday: OntologySummit2012 session-02: "Ontology for Big Systems: What's In Scope?"](#) - Co-chairs: [LeoObrst](#) & [NicolaGuarino](#) - Panelists: [MatthewWest](#), [HensonGraves](#), [CoryCasanave](#), [ErnieLucier](#), [MaryBrady](#), [SteveRay](#), [TrishWhetzel](#), [AmandaVizedom](#), [ToddSchneider](#), [AliHashemi](#) -

[ConferenceCall_2012_01_19](#) (31F8)

- **2012_01_12 - Thursday: [OntologySummit2012](#): "Ontology for Big Systems" - Launch Event - Co-chairs: [NicolaGuarino](#) & [LeoObrst](#) - [ConferenceCall_2012_01_12](#)** (3097)
- **2011_12_08 - Thursday: [OntologySummit2012](#) (Pre-Launch) Community Input & Planning Session - co-chairs: [SteveRay](#) & [PeterYim](#) - [ConferenceCall_2011_12_08](#) ... [Full proceedings of the session](#) are now on archive!** (3095)

Ontology Summit 2012 Theme: "Ontology for Big Systems"

 (3098)

Description, Goals & Objectives:

 (309A)

This year's Ontology Summit is titled "Ontology for Big Systems" and seeks to explore, identify and articulate how ontological methods can bring value to the various disciplines required to engineer a "big system." The term "big system" is intended to cover a large scope that includes many of the terms encountered in the media such as [big data](#), complex techno-socio-economic systems, intelligent or smart systems, [cloud computing](#), [netcentricity](#) and [collective intelligence](#). Established disciplines that fall within the summit scope include (but not limited to) systems engineering, software engineering, information systems modelling, and [data mining](#). (317Q)

The principal goal of the summit is to bring together and foster collaboration between the ontology community, systems community, and stakeholders of some of the "big systems." Together, the summit participants will exchange ideas on how ontological analysis and ontology engineering might make a difference, when applied in these "big systems." We will aim towards producing a series of recommendations describing how ontologies can create an impact; as well as providing illustrations where these techniques have been, or could be, applied in domains such as bioinformatics, electronic health records, intelligence, the smart electrical grid, manufacturing and supply chains, earth and environmental, e-science, cyberphysical systems and e-government. As is traditional with the Ontology Summit series, the results will be captured in the form of a [communiqué](#), with expanded supporting material provided on the web. (317R)

Process & Deliverables:

 (309C)

This is our 7th annual [OntologySummit](#) season. Similar to our last 6 summits, this [OntologySummit](#) will comprise of 3 months of virtual discourse (over our archived mailing lists) and virtual panel sessions (over augmented conference calls), and culminate in a 2-day face-to-face workshop/symposium held on *April 12 & 13, 2012* at the US National Institute of Standards and Technology (NIST) in the greater Washington, DC Area (Gaithersburg, Maryland, USA to be exact) during which we, among other things, will distill our thoughts into a collaboratively developed [communiqué](#). (309D)

Structure and Discourse:

 (309E)

Co-chairs, Tracks and Champions:

 (309F)

- **Summit** General Co-chairs ... Dr. [NicolaGuarino](#) & Dr. [LeoObrst](#) (309G)
- **Symposium** Co-chairs ... Dr. [RamSriram](#) & Professor [MichaelGruninger](#) (309L)
- Track-1&2: **Ontology for Big Systems and Systems Engineering** - Co-Champions: [MatthewWest](#), [HensonGraves](#) (309H)
- Track-3: **Challenge: Ontology and Big Data** - Co-Champions: [ErnieLucier](#), [MaryBrady](#) (309I)
- Track-4: **Large-Scale Domain Applications** - Co-Champions: [SteveRay](#), [TrishWhetzel](#) (309J)
- Cross-Track-A1: **Ontology Quality and Large-Scale Systems** - Co-champions: [AmandaVizedom](#), [MikeBennett](#) (327X)
- Cross-Track-A2: **Ontology for Federation and Integration of Systems** - Co-champions: [CoryCasanave](#), [AnatolyLevenchuk](#) (309I)
- **Communiqué Co-Lead Editors** - [ToddSchneider](#), [AliHashemi](#) (309K)
 - Co-editors: all other champions (327Y)
- **Public Relations** - champion: [AliHashemi](#) (327Z)

Research / Study - Workspaces:

 (309M)

- Track-1&2: **Ontology for Big Systems and Systems Engineering** (309O)
 - [OntologySummit2012_BigSystemsEngineering_CommunityInput](#) (open) (3282)
 - [OntologySummit2012_BigSystemsEngineering_Synthesis](#) (maintained by [MatthewWest](#), [HensonGraves](#)) (3283)
- Track-3: **Challenge: Ontology and Big Data** (309O)
 - [OntologySummit2012_BigDataChallenge_CommunityInput](#) (open) (3284)
 - [OntologySummit2012_BigDataChallenge_Synthesis](#) (maintained by [ErnieLucier](#), [MaryBrady](#)) (3285)
- Track-4: **Large-scale Domain Applications** (309P)
 - [OntologySummit2012_Applications_CommunityInput](#) (open) (3286)
 - [OntologySummit2012_Applications_Synthesis](#) (maintained by [SteveRay](#), [TrishWhetzel](#)) (3287)
- Cross-Track-A1: **Ontology Quality and Large-Scale Systems** (3288)
 - [OntologySummit2012_Quality_CommunityInput](#) (open) (3289)
 - [OntologySummit2012_Quality_Synthesis](#) (maintained by [AmandaVizedom](#), [MikeBennett](#)) (328A)
 - **Survey** (309T)
 - share your "Experiences with Ontology Quality and Big Systems" with the community by completing this open online [survey questionnaire](#) (309V)
- Cross-Track-A2: **Ontology for Federation and Integration of Systems** (328M)
 - [OntologySummit2012_SystemsFederationIntegration_CommunityInput](#) (open) (328N)
 - [OntologySummit2012_SystemsFederationIntegration_Synthesis](#) (maintained by [AnatolyLevenchuk](#), [CoryCasanave](#)) (328O)
- **Recommended Reading** (33WV)
 - List of community-suggested [OntologySummit2012_RecommendedReading](#) (33WW)
- **Summit Communiqué** (309Q)
 - [OntologySummit2012_Communique/Draft](#) (maintained by the communiqué co-editors) (309R)
 - [OntologySummit2012_Communique](#) (maintained by the co-lead editors) (309S)
- **Online Forum** - active discussion is also carried on over the [[ontology-summit](#)] mailing list - see details [here](#) (309T)
 - When starting a new thread on the list, please prefix the subject line with one of the following track labels, and make sure message content are on topic (i.e. that the discussion/message relates well to the subject line): (309U)
 - (for Track-1&2 discussion) [**BigSystems and SE**] (309V)
 - (for Track-3 discussion) [**BigDataChallenge**] (32F2)
 - (for Track-4 discussion) [**Applications**] (32F3)
 - (for X-Track-A1 discussion) [**Quality**] (32F4)
 - (for X-Track-A2 discussion) [**SystemsFederationIntegration**] ... and, (351Y)
 - a combination like [**Applications-Quality**] (309W)
 - no prefix for general or over-arching issues, or if they don't belong to any particular discussion track; (32FS)
 - ... also prefix with "[OT]" if the post is off-topic (309X)
 - Shared-file workspace (document repository) at: <http://ontolog.cim3.net/file/work/OntologySummit2012/> (309Y)
 - this space is accessible via a webdav client ... Ref. details [here](#) ... contact <peter.yim@cim3.com> if you have a question (309Z)
 - **Public Relations** workspace: (maintained by [AliHashemi](#)) (328B)
 - [OntologySummit2012_MediaKit/Draft](#) (328C)
 - [OntologySummit2012_MediaKit](#) (328D)
 - Organizing Committee workspace - see: [/GettingOrganized](#) (30A0)
 - how are we moving the program forward this year? - see: [/Process](#) (353Y)
 - Ideas and suggestions (on how to better organize the effort) - see: [/Suggestions](#) (31A9)