



Current Main Activities

Last update August 6, 2012

Main Purpose of the IIIS

The International Institute of Informatics and Systemics (IIIS) is a **multi-disciplinary organization for inter-disciplinary communication and integration**. Consequently, a main purpose of the IIIS is to foster knowledge integration processes, interdisciplinary communication, and integration of academic Activities. Based on 1) the transdisciplinarity of the systemic approach along with its essential characteristic of emphasizing *relationships* and *integrating* processes, and 2) on the multi-disciplinary support of cybernetics' and informatics' concepts, notions, theories, technologies, and tools, the IIIS has been organizing multi-disciplinary conferences as a platform for fostering inter-disciplinary communication and knowledge integration processes.

Multi-disciplinary conferences are organized by the IIIS as support for both **intra-** and **inter-disciplinary** communication. Processes of intra-disciplinary communication are mainly achieved via traditional paper presentations in corresponding disciplines, while conversational sessions, regarding trans- and inter-disciplinary topics, are among the means used for inter-disciplinary communication. Intra- and inter-disciplinary communications might generate *co-regulative cybernetic loops*, via negative feedback, and *synergic relationships*, via positive feedback loops, in which both kinds of communications could increase their respective effectiveness. Figure 1 shows at least two cybernetic loops if intra- and inter-disciplinary are adequately related. A necessary condition for the effectiveness of Inter-disciplinary communication is an adequate level of **variety** regarding the participating disciplines. *Analogical thinking and learning processes* of disciplinarians depend on it; which in turn are potential sources of the creative tension required for cross-fertilization among disciplines and the generations of new hypothesis. An extended presentation regarding this issue can be found at www.iis.org/MainPurpose.

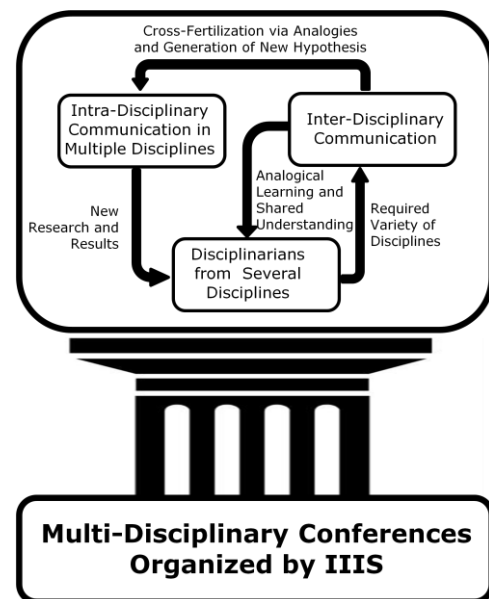


Figure 1

Intra- and Inter-Disciplinary Presentations at IIIS conferences

The multi-disciplinary conferences organized by the IIIS include intra-disciplinary presentations in different disciplines and inter-disciplinary communication via formal presentations, informal conversational sessions, and hybrid ones. Frequently, the IIIS allows authors of disciplinary presentations to make additional presentation, with no additional cost, in order to foster inter-disciplinary communication which might generate the fertile analogies, working hypothesis, and inter-disciplinary research and real life problem solving. More on the meaning and importance of "interdisciplinary communication" can be found at www.iis.org/Nagib-Callaos/Interdisciplinary-communication. The IIIS is also trying to foster conference presentations in 1) Inter-disciplinary Research, Education, and problem solving, 2) in Academic Activities Integration, and 3) in inter-, cross-, and trans-disciplinary areas like Case Studies and Methodologies, Design, Modeling, Simulation, Systemics, Cybernetics, Informatics, Expansion of Science, Knowledge Generation, Communication, and Management, etc.

Currently three complementary events, related to interdisciplinary communication and knowledge integration are part of what is common to the three conferences being yearly organized by the IIIS. Figure 2 schematize the three events and the relationships among them.

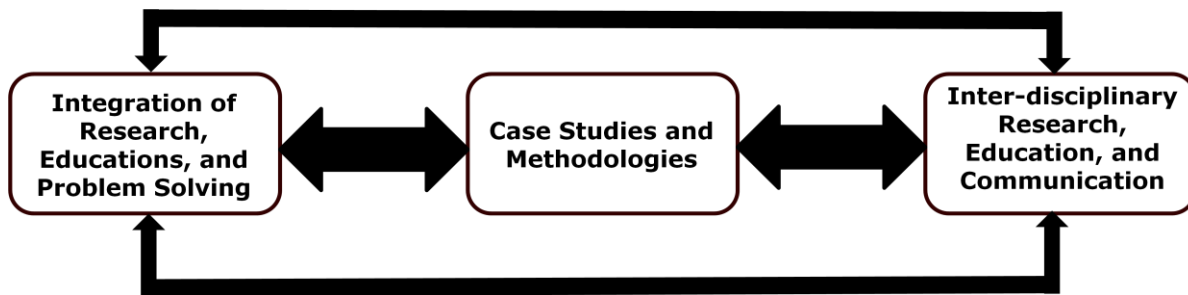


Figure 2

In the last two conferences (Fall 2011 and Spring 2012) a conference sub-program was organized in order to address 1) the three domains shown in Figure 2 and 2) the potentially synergic relationships among them. An example of this kind of conference sub-program can be found at www.iiis.org/PastConferences/Sub-Program-for-Interdisciplinarity/Spring2012, which was included in the general conference program shown at www.iiis.org/PastConferences/Spring2012Program.

This kind of sub-program oriented to Knowledge and Academic Activities Integration as well as to Interdisciplinary Research, Education, and Real Life Problem Solving will also be organized for the 2012, 2013 and future conferences.

Conferences Currently Being Organized

Submissions are being received for the following events; which

- deadlines are summarized at http://www.iiis.org/iiis/current_submissions_deadlines.asp,
- disciplinary events are specified at the same web page indicated above, and
- corresponding descriptions and topics are posted at the conferences web sites indicated below.

2012 Fall Conference
November 13th – 16th, 2012 - Orlando, Florida, USA

Main Events

All events (special tracks and Symposia) are listed at the indicated event web site

- The 2nd International Conference on Design and Modeling in Science, Education, and Technology: DeMset 2012, www.iiis2012.org/fdemset
- The 2nd International Conference on Information and Communication Technologies and Applications ICTA 2012, www.iiis2012.org/icta
- The FALL 6th International Conference on Knowledge Generation, Communication and Management: KGCM 2012, www.iiis-fall2012.org/fkgcm
- The 2nd International Conference on Education, Informatics, and Cybernetics: iceIC 2012, www.iiis2012.org/iceic

Conferences Currently Being Organized

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- The FALL 3rd International Conference on Society and Information Technologies: ICSIT 2012, www.iiis-fall2012.org/ficsit
- Ibero-American Symposium on Information and Communication Technologies and Applications, "*Simposio Ibero-Americano de Aplicaciones y Tecnologías de Información y Comunicaciones: ATIC 2012*", www.iiis-fall2012.org/atic

2013 Spring Conference

March 19th - 22nd, 2013 - Orlando, Florida, USA

- The 4th International Multi-Conference on Complexity, Informatics and Cybernetics: IMCIC 2013, www.iiis2013.org/imcic
- The 4th International Conference on Society and Information Technologies: ICSIT 2013, www.iiis2013.org/icsit
- The 4th International Conference on Engineering and Meta-Engineering: ICEME 2013, www.iiis2013.org/iceme
- 3rd Ibero-American Conference on complexity, Informatics and Cybernetics "Tercera Conferencia Iberoamericana de Complejidad, Informática y Cibernética: CICIC 2013", www.iiis2013.org/cicic

2013 Conferences

Orlando, Florida, USA

The disciplinary, cross-disciplinary and Inter-disciplinary areas will be similar to those included in the 2012 conferences with very probable modifications and extensions to be suggested by the respective Organizing and Program Committees Chairs and Co-Chairs

- 2013 Summer Conference: July 9th – 12th, 2013
- 2013 Fall Conference: November, 2013

Information Related to Recent Past Conferences

2012 Conferences (Data related to both Spring and Summer 2012 Events):

- **Statistics** Regarding the Conferences Organized by IIS in 2012 at <http://www.iis.org/iis/ConferencesStatistics2012.asp>
- **Plenary Keynote speakers** at <http://www.iis.org/keynotespeakers-2012.asp>
- **Double-Blind** conference reviewers and the papers they reviewed at <http://www.iis.org/iis/Rev-CL2012.asp>
- **Non-Blind** conference reviewers and the papers they reviewed at <http://www.iis.org/iis/Rev-OPSP2012.asp>
- **Co-Editors** of the 2012 conferences proceedings at http://www.iis.org/iis/co_edit.asp?year=2012
- Sessions' **Co-Chairs** at http://www.iis.org/iis/co_chairs.asp?year=2012
- Sessions' **Best Papers** at http://www.iis.org/iis/best_paper.asp?year=2012
- **Invited Sessions Organizers** at <http://www.iis.org/iis/is.asp?year=2012>

2012 Summer Conference:

- General Framework and Plenary Keynote speakers at http://www.iis2012.org/wmsci/Website/GFramework_KSpeakers.asp?vc=1
- General Program at <http://www.iis2012.org/wmsci/Program/html/program-public-wvp.asp?vc=1>
- Conference Proceedings at: http://www.iis.org/CDs2012/CD2012SCI/index_wmsci.htm
- More information at <http://www.iis2012.org/wmsci>

2012 Spring Conference:

- General Framework and Plenary Keynote speakers at http://www.iis2012.org/imcic/Website/GFramework_KSpeakers.asp?vc=26
- General Program at <http://www.iis2012.org/imcic/Program/html/program-public-wvp.asp?vc=26>
- Conference Proceedings at: http://www.iis.org/CDs2011/CD2011IMC/index_imcic.htm
- More information at <http://www.iis2012.org/imcic>

Information Related to Recent Past Conferences

2011 conferences:

- **Statistics** Regarding the Conferences Organized by IIIS in 2011 at <http://www.iiis.org/iiis/ConferencesStatistics2011/Statistics-Regarding-Conferences-Organized-by-IIIS-in-2011.pdf>
- **Plenary Keynote speakers** at the three 2011 conferences at http://www.iiis.org/iiis/home_ps.asp
- **Double-Blind** conference reviewers and the papers they reviewed at <http://www.iiis.org/iiis/Rev-CL.asp>
- **Non-Blind** conference reviewers and the papers they reviewed at <http://www.iiis.org/iiis/Rev-OPSP.asp>
- **Co-Editors** of the 2011 conferences proceedings at http://www.iiis.org/iiis/co_edit.asp?year=2011
- Sessions' **Co-Chairs** at http://www.iiis.org/iiis/co_edit.asp?year=2011
- Sessions' Best Papers at http://www.iiis.org/iiis/best_paper.asp?year=2011
- **Invited Sessions Organizers:** <http://www.iiis.org/iiis/is.asp?year=2011>

Information similar to the above for IIIS conferences since 2000 can be found at IIIS web site at <http://www.iiis.org>

Current Planned Projects

The IIIS has the current planned projects, which will be implemented according to the ups and downs of its financial and human resources.

- To upload to its **YouTube channel** the tutorials, workshops, and Plenary Keynote Addresses of its organized conferences since 2006. Professor Umpleby's 2006 tutorial and Professor Gill's 2012 Workshop has already been uploaded at www.YouTube.com/iiischannel
- To post in blogs the articles published in recent IIIS conferences proceedings in order to allow post publication comment and potential new reviewing that might support the decision to publish improved versions of some articles in the Journal of Systemics, Cybernetics, and Informatics (JSCI, <http://www.iiisci.org/journal/sci/Past.asp>)
- To post in blogs the articles published in recent issues of the Journal of Systemics, Cybernetics, and Informatics (JSCI, <http://www.iiisci.org/journal/sci/Past.asp>) in order to allow post publication comment and potential new ideas, (collaborative) research, and articles that might support the decision of new publications in the journal.
- To publish special issues in the Journal of Systemics, Cybernetics, and Informatics (JSCI, <http://www.iiisci.org/journal/sci/Past.asp>) focused on specific topics.
- To implement blogs for non-peer-reviewed articles in specific topic in order to support research, inquiry, reflection, and communication processes required for submitting an article to be considered for a peer-reviewed publication.
- To provide the IIIS' members **access to the virtual sessions** of the conference being held. Currently, each virtual face-to-face session has a corresponding virtual session in which conference participants can access any virtual session, 5 days before the face-to-face conference, and up to 2 months after the conference is over. Having this access they may read the papers presented at each session and can comment and/or evaluate each paper of the respective session via electronic forums.
- To provide IIIS' members with the required support from **Web 2:0** technologies in order to accelerate the process of a **Virtual Community** interested in meeting IIIS' main purpose and the shared objectives of IIIS' members.
- To promote the formation of **Inter-National, Inter-Disciplinary, and Integration Groups (IIIG)** in important academic and professional areas. IIIGs are being considered in at least the following synergically related areas (associated to those mentioned above)
 - Academic Activities Integration
 - Interdisciplinarity and Knowledge Integration.
 - Inter-disciplinary Communication
 - Case Studies and Methodologies
- To promote the **self-transcendence*** of the IIIS into an **International, Interdisciplinary, and integrative Network (IIIN)**; which will be formed by geographical or disciplinary, cross-disciplinary, or interdisciplinary nodes. Geographical nodes might be formed at the regional, national, or local level. Inter-National nodes would be formed by scholars and/or professionals with common interest in 1) disciplinary fields but oriented for inter-disciplinary communication, 2) multi-disciplinary projects, or 3) cross-, inter-, or transdisciplinary concepts, theories, or methodologies. The IIIGs mentioned above are candidates for this kind of nodes. The IIIS plan is to serve as incubator of 1) these nodes and 2) the required relationships among them in order to transform them into a Network, in which IIIS will be included as one of the node while preparing its **self-transcendence** (* The word transcendence is used in its etymological meaning of "self-pass its own limits, to go beyond itself." In this sense the IIIS is planning to contribute to the formation of something greater than itself before the potential stopping its existence.)