IIIS Publications Oriented to
Knowledge Integration and/or Inter-Disciplinary Communication
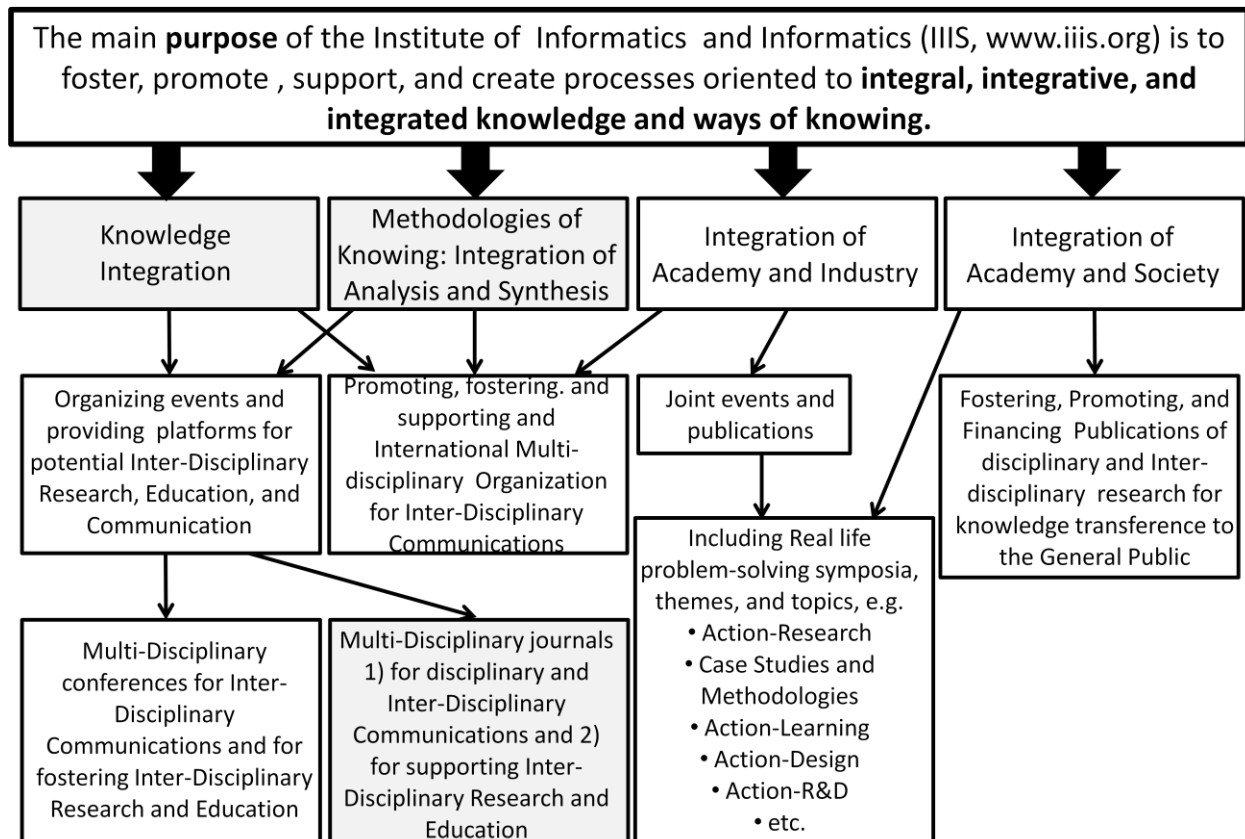
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http://www.iiisci.org/Journal/SCI/

Purpose

The general main purpose of the Institute of Informatics and Informatics (IIIS, www.iiis.org) is to foster, promote, support, and create processes oriented to integral*, integrative, and integrated knowledge and ways of knowing.* Systemics and Cybernetics provide the intellectual background as well as the conceptual and methodological framework. Informatics provides one of the most effective scientific, technological, and instrumental supports. The following figure provides a visual scheme of the ways and means used by the IIIS in order to achieve its main purpose. The program that briefly will be described below is mainly related to the grey boxes.

The scheme shown above provides the context of the program of publications the IIIS is planning to implement by means of its journals.

As it is known the Journal of Systemics, Cybernetics, and Informatics (JSCI) is a multi-disciplinary journal in which the best 25% of the paper presented at the conferences organized by the IIIS are published. Consequently, the journal is publishing articles for mostly disciplinary communication. We are planning to implement means for publishing articles written 1) for inter-disciplinary communication and/or 2) for integrating articles published in the past, i.e. to *synthesize* what has been product of *analytical* research. In order to achieve this objective the JSCI will promote and partially finance the following kind of articles

1. Authors and co-authors of disciplinary articles published in any issue of JSCI will be invited to write invited papers related to their published paper but oriented to inter-disciplinary communication (i.e. avoiding technical or disciplinary terms). The respective Article Processing Cost (APC) will be waived because the IIIS will provide the respective financial support.

2. Authors or co-authors who published according to point 1 will be invited to write papers in which they would integrate and reference some of (or all) their past publications, no matter where these articles have been published. This kind of integrative papers might be oriented to disciplinary or inter-disciplinary communication. In the later case, the focus will be on relating the content of their research to a more general audience, i.e., in interdisciplinary language. The respective Article Processing Cost (APC) will be waived because the IIIS will provide the respective financial support. The intention here is:

   a. To promote knowledge integration (for both disciplinary and inter-disciplinary research), where *analytical* thinking is complemented with a *synthetic* one. This might produce cybernetic loops via co-regulative (negative feedback and feedforward) and synergic, co-amplificatory (positive feedback) loops.
   b. To promote the integration of *past* and *future* research by means of an explicitly written paper. This might generate different (disciplinary and/or interdisciplinary) future research based on different readings, interpretations, and research experiences of the same integrative paper.

3. Senior scholars, researchers and/or professionals will be invited to address any topic in writing a related invited paper for inter-disciplinary communication. Such an invited paper might integrate papers of different authors via literature research and might be oriented to producing inter-disciplinary tutorials. For example, how might a physicist, philosopher, chemist, astronomer, journalist, and artist view some theory or finding (such as the big bang theory) and convey its central idea and implication to their respective audiences? In the process, the author would explain to a general audience the method for doing this, thus giving a "tutorial" on how to communicate in an interdisciplinary manner.

4. Senior scholars, researcher and/or professionals will be invited to write a reflection or experience-based invited paper on a topic or a problem suggesting possible or potential solutions that might inspire research for younger scholars, researchers, or professionals.