

**ROUND TABLE KNOWLEDGE FEDERATION DIALOG BELGRADE 2011:
PARTIAL & HOLISTIC ORIENTED APPROACHES**

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Abstract. As part of *Symposium of Quantum-Informational Medicine QIM 2011* (www.qim2011.org), a one-day round table *Knowledge Federation Dialog Belgrade 2011: Partial & Holistic-Oriented Approaches* is planned for September 25. This round table will provide an opportunity for critical consideration of partial and holistic-oriented approaches to physics and engineering, medicine and biology, psychology and transpersonal phenomena, art and philosophy, society and religion. The paradigm of quantum physics enables us to broaden our foundation for truth and worldview – and explain and include phenomena and insights that have hitherto been ignored or denied, because they did not fit into the classical (in many aspects mechanistic) scientific paradigm. When we do that, we come closer to a more inclusive or *holistic* view which can lead to a profound or 'paradigmatic' change in any field, and in our society at large. The observation that the insights reached in quantum physics point us towards a more inclusive or holistic worldview has been voiced by many authors, notably by Heisenberg in *Physics and Philosophy*. The fact that those insights are so slow to propagate into other disciplines and to influence general culture may be attributed to the lack of communication across and beyond disciplines. Knowledge Federation is an international project whose goal is to develop remedial knowledge-work practices – by *federating* key insights across disciplines, and to media and popular culture. In the Knowledge Federation Dialog we share holistic insights from a variety of disciplines to a round table, let them synergize with one another and become general insights; and we allow those general insights, and our dialog, to spread through the media and include general public.

Keywords: *Knowledge Federation Dialog Belgrade 2011, partial vs holistic-oriented approaches to physics, medicine, biology, psychology, transpersonal phenomena, engineering, society, art, philosophy, religion...*

1. Introduction

Tuesday evening in Dubrovnik (during Knowledge Federation 2010 [1]), while everyone else was asleep, we sat on the terrace of Villa Doda and talked until very late. What we found out was that we worked on the same fundamental question in two different ways.

The question was "How to develop a broader and more solid foundation for knowledge work?"

DR, a theoretical physicist, created a solution based on the paradigm of contemporary physics. Historically, the sciences developed their paradigms based on the worldview of 19th century physics, in which indestructible particles of matter interact with one another as pieces in a mechanism would. Although quantum physics later disproved and disowned it, this mechanistic paradigm still persists in life sciences and humanities. A consequence is that the phenomena that cannot be understood in terms of this paradigm tend to be eliminated from our culture as non-scientific.

DK, a theoretical computer scientist, proposed a foundation based on *methodology* formulation (a *methodology* is a written convention). Herbert Simon was one of the first to recognize a new breed of science, exemplified by

computer science, which he called "sciences of the artificial." The starting point of DK's *methodology* development was to acknowledge that all knowledge work can be, and that *informing* also needs to be considered as 'sciences of the artificial' (something we humans have developed and can develop further, by adjusting it to the key purposes it needs to fulfill in our lives, society and culture).

2. Knowledge Federation Dialog Idea

We agreed to organize a dialog in Oslo next May, where we would hold a spotlessly sound and sufficiently broad scientific foundation on which the participants would be able to work successfully on the following four *federations*:

- Federation of fundamental insights across scientific disciplines. As DK mentioned, the epistemological insights that resulted in modern physics have not yet been accommodated by life sciences and humanities, and by the popular conception of 'scientific worldview'.
- Federation of two modes of cognition – analytical-rational, and by direct insight. A focus of DR's research has been on the phenomenology and theory of the latter, by combining insights from quantum physics with first-hand descriptions of the mental processes behind Nikola Tesla's discoveries [3]).
- Federation of insights between the sciences and the world traditions.
- Federation of insights across the world traditions.

While similar dialogs have been organized before, we undertake to make a difference by placing this dialog within the context of Knowledge Federation [4]. In Knowledge Federation our aim is first of all to bring together all relevant sources to an unbiased dialog to attain a reliable general insight; and then to ensure that transformative insights do not remain in the heads of the people who created them, but are communicated to people who needs to know about them and allowed to influence conventional practice.

3. Conclusion

In the meantime we agreed to postpone Knowledge Federation Dialog Oslo 2011, and to use opportunity of Belgrade's *Symposium of Quantum-Informational Medicine QIM 2011* to organize Round Table *Knowledge Federation Dialog Belgrade 2011: Partial & Holistic Oriented Approaches*, as an intermediate point for critical consideration of partial and holistic oriented approaches to physics and engineering, medicine and biology, psychology and transpersonal phenomena, art and philosophy, society and religion.

In Knowledge Federation Dialog Belgrade 2011 we plan to share holistic insights from a variety of disciplines to a Round table, let them synergize with one another and turn into general insights; and to allow those general insights, and our dialog, to spread through the media and include general public.

References

1. http://knowledgefederation.org/Knowledge_Federation_2010 (*Second International Workshop on Knowledge Federation: "Self-Organizing Collective Mind"*, Inter University Centre Dubrovnik, October 3-6, 2010)
2. <http://knowledgefederation.ning.com/group/DialogOslo2011>
3. <http://knowledgefederation.project.ifi.uio.no/Articles/DR.pdf> (D. Raković, On nature and control of creativity – Tesla as a case study, *Second International Workshop on Knowledge Federation*, Dubrovnik, October 2010).
4. <http://knowledgefederation.org>