

Call for Contributions

1. Inform the Chair: with the Title of your Contribution

2. Submission URL:

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=COGNITIVE+2021+Special>

Please select Track Preference as **PDE**

3. Note: *For 2021, all events will be held in a hybrid mode: on site or virtual choices (live, prerecorded videos, voiced presentation slides, and .pdf slides). We hope for better times allowing us to return to the traditional on-site scientific events. However, we are ready to adapt any which way the conditions dictate.*

Special track

PDE: Primary Data Entry

New Findings in Education: Primary Data Entry in Shaping Intentionality and Cognition

Chair and Coordinator

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along with

COGNITIVE 2021, The Thirteenth International Conference on Advanced Cognitive Technologies and Applications

April 18, 2021 to April 22, 2021 - Porto, Portugal

<https://www.iaria.org/conferences2021/COGNITIVE21.html>

One of the most intriguing questions in cognitive science is the Primary Data Entry (PDE) problem: where does social knowledge come from? After birth, an organism meets with reality, which is transcendental, staying beyond any experience and understanding of this pure reason. It is global continuity because all appearances of this reality are still meaningless; therefore, the reason cannot find any separation between them or links. For the pure reason, this is a chaotic mixture of stimuli without an association between them. There are two possibilities of how pure reason begins cognition: (i) First, cognition can rely on discovering external appearances. From this perspective, thought content is captured from the external world. However, pure reason needs to link each new appearance with the previous knowledge, studying a new one by comparison with prior knowledge. In such a manner, pure reason can create new key links between cause and effect, capturing a new phenomenon. (ii) Second, another approach proposes that knowledge acquisition can also rely on discovering new key links between cause and effect within prior knowledge. This is possible in the case of the synthesis of previous thoughts. From all that two approaches propose, the beginning of cognition relies on discovering new key links between cause and effect within prior knowledge and/or on the opening of relationships between prior knowledge elements and the new appearances. This conclusion shows that initial knowledge is crucial for further steps of cognition.

Basic approaches to the study of cognition are cognitivism, connectionism, and embodied dynamicism, The weakness of cognitivism and connectionism is the need to introduce an initial set of social phenomena of the specific community to trigger this system: the Primary Data Entry (PDE) problem. There is also a same gap in knowledge in embodied dynamicism approach, this interpretation of a dynamic system is not accurate.

The hypothesis of the MCI (Minimally Counterintuitive Concepts) theory argues that social interaction shapes organisms' intentionality, promoting similar categorization of stimuli in intimately related individuals with shared social routine and interests.

The study of the PDE problem leads to the analysis of the axiomatic foundations of Psychology, Sociology, and Neuroscience from the perspectives of the actual scientific paradigm.

The topics of interest for include, but are not limited to:

- MCI
- PDE
- Cognitive science
- Cognitive anthropology
- Psychology
- Sociology
- Neuroscience
- Social Interaction
- Motivational and intentional causes in social interactions
- Cognitive-enrichment
- Shallow/deep inferences
- Intuitions stemming
- Self-examination
- Critical thinking

Contribution types

- Regular papers [in the proceedings, digital library]
- Short papers (work in progress) [in the proceedings, digital library]
- Posters: two pages [in the proceedings, digital library]
- Posters: slide only [slide-deck posted on www.iaria.org]
- Presentations: slide only [slide-deck posted on www.iaria.org]
- Demos: two pages [posted on www.iaria.org]

Important Datelines

- Inform the Chair: As soon as you decided to contribute
- Submission: March 4, 2021
- Notification: March 20, 2021
- Registration: April 1, 2021
- Camera-ready: April 1, 2021

Note: These deadlines are somewhat flexible, providing arrangements are made ahead of time with the chair.

Paper Format

- See: <http://www.iaria.org/format.html>
- Before submission, please check and comply with the editorial rules: <http://www.iaria.org/editorialrules.html>

Publications

- Extended versions of selected papers will be published in IARIA Journals: <http://www.iariajournals.org>
- Print proceedings will be available via Curran Associates, Inc.: <http://www.proceedings.com/9769.html>

- Articles will be archived in the free access ThinkMind Digital Library: <http://www.thinkmind.org>

Paper Submission

<https://www.iariasubmit.org/conferences/submit/newcontribution.php?event=COGNITIVE+2021+Special>

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Registration

- Each accepted paper needs at least one full registration, before the camera-ready manuscript can be included in the proceedings.

- Registration fees are available at <http://www.iaria.org/registration.html>

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