

The 2020 Joint Congress on Computational Intelligence

Special Track: “Religious Studies and Computational Intelligence”

Call for Papers

Guest editors

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Introduction

This track aims to bring together scholars, researchers, and experts in computational intelligence to present and explain the latest achievements of this field in religious studies. Nowadays, the development of computational intelligence technologies, in the field of intelligent information processing, and the existence of hidden and deep semantic layers of religious texts, has motivated researchers to investigate, further, in this area and discover propositions and rules, governing these texts. The discovery of new semantic layers of data in this field can effectively contribute to deepening the religious beliefs and practices in life.

All researchers, academics, and experts are kindly invited to participate in the conference by sharing their research and practical findings by submitting their papers to make this track more productive and effective in fulfilling its goals.

Scope and Topics

The scientific scope of this track includes (but is not limited to) the following topics. The track will select presented (oral and poster) papers for publication, in the conference proceedings.

1. Retrieving information from religious texts
2. Detecting semantic similarities in religious texts
3. Discriminating religious texts in textual data
4. Extracting descriptive and inferential statistics from religious texts
5. Automatic topic detection of religious texts
6. Machine translation and interpretation of religious texts
7. Creation and introduction of knowledge graphs and ontologies for the religious studies
8. Entity linking and typing on religious knowledge graphs
9. Relation extraction, based on the properties (relation types) of knowledge graphs
10. Semantic role labeling, based on the religious knowledge graphs
11. Machine reading and natural language understanding for knowledge graph population
12. Discovering the relationships between religious events and their order of occurrence
13. Discovering the relationships and rules, governing religious sacred numbers and words
14. Discovering the statistical relationships between repetition, permutation, and the sequence of religious words and symbols
15. Automatic descriptive markups in religious data
16. Finding the rhythmic relationships of religious texts
17. Discovery of new propositions and beliefs, inferred from the extracted knowledge

18. Discovery of seemingly incompatible propositions in the extracted knowledge
19. Creating the reasoning tree of a proposition
20. Finding the semantic implications of a set of propositions on specific concepts (evangelism, warning, heaven, hell, God, the prophet, etc.)

Paper submission

Manuscripts should be submitted via the congress online platform. Manuscripts are expected to be minimum 4 and maximum 6 pages. Papers template is the same as what proposed on the congress website (<https://cfis2020.um.ac.ir>). In the case of any questions about the submission progress, the authors can be in contact with the guest editor, via the email address b_minaei@iust.ac.ir.