

Special Issue

Fuzzy Natural Logic in IFSA-EUSFLAT 2021

Message from the Guest Editors

Fuzzy natural logic (FNL) is a class of mathematical theories (theory of evaluative expressions, theory of fuzzy/linguistic IF-THEN rules and approximate reasoning based on them, theory of fuzzy generalized quantifiers and their syllogisms, models of natural human reasoning) with the goal of developing models of human thinking whose most characteristic feature is the use of natural language. The topics of the Special Issue include, but are not limited to:

- development of various theories belonging to FNL,
- fuzzy quantifiers,
- generalized syllogisms,
- square of opposition and its generalizations,
- systems based on fuzzy/linguistic IF-THEN rules,
- theory (and applications) of approximate reasoning,
- higher-order fuzzy logics,
- partial fuzzy logics,
- linguistic theories of evaluative expressions and quantifiers,
- applications of FNL in data mining, linguistics, decision making, learning, and elsewhere.

We will publish mainly extended versions of the papers presented at the IFSA-EUSFLAT 2021 conference. We will also accept submissions of topic-related papers from outside of this conference. Linguistically or philosophically oriented papers are also welcome.

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Deadline for manuscript submissions

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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