



FUZZ-IEEE 2021
LUXEMBOURG
HANDLING UNCERTAINTY IN INTERPRETABLE AI

July 11 – July 14, 2021

Call for Competitions

The 2021 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2021), will be held in Luxembourg City, Luxembourg, Europe. Under its 2021 theme, ‘Handling Uncertainty in Interpretable AI’, the conference will emphasize the handling of uncertainty, in particular in the context of interpretable and interactive AI, actively promoting engagement across academic disciplines and non-academic partners in industry and government.

Competitions offer an opportunity to compare different solutions of a problem and stimulate discussion on a specific topic and we invite competition proposals from the community and industry. Traditionally, at FUZZ-IEEE, there are three types of competitions, depending on entry requirements from the competition participants:

- **Category A competition:** each participating team submits a paper via the conference system that describes the method and the results obtained for solving the task given by the competition. The papers will be reviewed as any other paper submitted to FUZZ-IEEE 2021. In this type of competition, the winners are commonly decided during the review stage among the accepted papers, while at the conference participants of accepted papers present their papers during a (special) session. At the end of the session, the session chairs (i.e., competition organizers) announce the winner(s). An example of type A competition would be developing the most interpretable classifier for a given data set.

- **Category B competition:** each team can write and submit a paper via the conference system that describes the method and the results obtained for solving the task given by the competition, but this

is not mandatory. The submitted papers will be reviewed as any other papers submitted to FUZZ-IEEE 2021. During the conference, participants demonstrate their solutions, which are evaluated by a jury. After demonstrations conclude, the jury announces the winner(s) of the competition.

Moreover, those teams who submitted papers will present accepted papers at the conference (e.g. during a special session). An example of a type B competition is tic-tac-toe competition where the participants have the opportunity to explain in the paper e.g. the evaluation function that captures the uncertainty with respect to the opponent.

- **Category C competition:** there are no papers associated with this type of competition. During the conference, the participants demonstrate their solutions, which are evaluated by the jury. At the end of this session, the jury announces the winner(s) of this competition. An example of a type C competition would be a tic-tac-toe competition, where competition entries compete against each other.

- **Category X competition:** while adoption of one of the competition models above is encouraged, other formats may be considered. Please get in touch with the Competitions Chair to discuss your ideas!

In all cases we strongly encourage the prospective competition organizers to take into account the theme of the conference and put special attention to key topics such as handling uncertainty, and the interpretability of AI.

Competition proposal submission and evaluation

Prospective competition organizers are invited to submit their proposals to the Competition Chair,



Prof. Anna Wilbik (a.wilbik@maastrichtuniversity.nl) by the **proposal deadline**. The submitted proposals will be discussed and evaluated by the members of organizing committee: the program co-chairs and the competition chair. Prospective competition organizers will be notified regarding the competition acceptance by November 16, 2020. Please note that the organizing committee may suggest or request changes with respect to the competition proposals. To minimise this, potential competition proposers are encouraged to pre-discuss the competition idea with the competition chair. In all cases, we will do our best to support the successful proposals throughout the conference.

Competition proposals

In the competition proposal please include:

- the competition outline, including competition goals and rules,
- contributions to the fuzzy systems community and/or the society,
- type of the competition: A, B, C, or X, *Please note that for competitions of type A and B, the paper submission deadlines have to be abided by. Late submissions of papers will not be accepted. The papers should be submitted to the conference system. They will be reviewed as any other paper submitted to FUZZ-IEEE 2021.*
- how participants will submit an entry,
- how an entry will be evaluated, *Please note that you can be creative, e.g., looking at interpretability and/or accuracy. Please include the composition of the proposed jury and your conflict of interest policy*
- expected number of entries, *Please note that each competition will be given max. one session (of maximum two hours) during the conference. If your competition attracts many entries, a pre-selection may be required. Please describe your plans for pre-selection.*

- the minimum number of participants for the competition to be viable, *If there will be not enough participants the competition will be cancelled.*
- URL to the competition home page, *Please use a tentative title "Proposal for Competition on xxx". We will share the core materials, such as conference logo with approved competitions*
- plans for competition sponsorships and awards.

Competition organization

Once the competition is accepted for the conference, the competition organizers are responsible for its publicity. The accepted competitions will be announced on the conference website, but the conference organizers will not be able to advertise individual competitions.

In addition, the competition organizers are responsible for maintaining the competition website and answering questions from the potential participants.

FUZZ-IEEE2021 will arrange winning certificates and may be able to support small prizes. We strongly encourage competition organizers to engage with sponsors to support their competitions. (All sponsors must be declared as part of the competition proposals or approved separately by the competitions chair.)

Important dates and deadlines

Competition proposals: Oct. 25, 2020

Notification of competition approval: Nov. 16, 2020

Paper submission deadline: Feb. 10, 2021

Notification for acceptance of papers: Mar. 22, 2021

Camera-ready paper deadline: Apr. 12, 2021

Early registration deadline: May 3, 2021

Conference: Jul. 11 – 14, 2021

