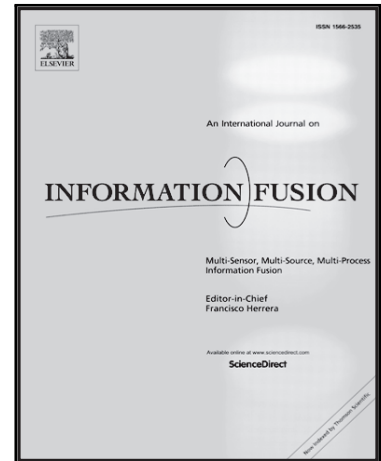


Accepted Manuscript

Necessary and Possible Hesitant Fuzzy Sets: A Novel Model for Group Decision Making

José Carlos R. Alcantud, Alfio Giarlotta

PII: S1566-2535(17)30668-1
DOI: [10.1016/j.inffus.2018.05.005](https://doi.org/10.1016/j.inffus.2018.05.005)
Reference: INFFUS 981



To appear in: *Information Fusion*

Received date: 6 November 2017
Revised date: 31 March 2018
Accepted date: 13 May 2018

Please cite this article as: José Carlos R. Alcantud, Alfio Giarlotta, Necessary and Possible Hesitant Fuzzy Sets: A Novel Model for Group Decision Making, *Information Fusion* (2018), doi: [10.1016/j.inffus.2018.05.005](https://doi.org/10.1016/j.inffus.2018.05.005)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- We propose a novel notion of necessary and possible hesitant fuzzy set, NaP-HFS
- NaP-HFSs consist of nested pairs of HFSs, and are suited to applications in group decision making
- NaP-HFSs are inspired by a bi-preference approach in the field of decision theory
- We define meaningful aggregation operators and scores in this extended context
- We propose a decision making procedure for NaP-HFSs, generalizing known procedures for HFSs

ACCEPTED MANUSCRIPT

Download English Version:

<https://daneshyari.com/en/article/6937831>

Download Persian Version:

<https://daneshyari.com/article/6937831>

[Daneshyari.com](https://daneshyari.com)