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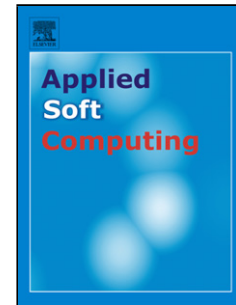
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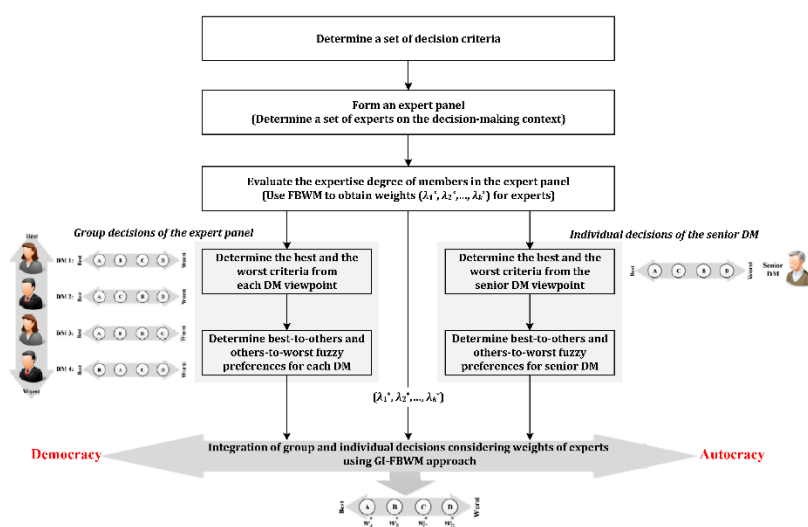
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Graphical abstract



Highlights:

- We develop the BWM for the situations that decision makers' judgments are not precise.
- We propose a novel method based on group and individual decisions supported on FBWM.
- The method enables trade-off between democratic and autocratic decision-making styles.

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