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SUPPORT SYSTEMS FOR DECISION AND NEGOTIATION PROCESSES

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EXPERT OPINION ELICITATION & AGGREGATION : A DSS SOFTWARE & APPLICATIONS

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A microcomputer Decision Support Software has been developed for decision making, when intangible multi-criteria require judgments. Its main function is to elicit and improve expert opinions, demonstrate preferred alternatives and portray sensitivity of the results graphically. Extensive experimentation was conducted with over twenty approaches for aggregating individual opinions into a group consensus. This DSS has been used in several cases involving highway design, library needs assessment and budget allocation, social program evaluation and selection, awards and competitions, rating job applicants, and evaluating computer software. Our approach and experiences will be presented and illustrated.

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