Uncertainty and vagueness: building bridges

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Aim of this talk is to present the basic idea underlying my research, essentially done in collaboration with Romano Scozzafava, that is coherent conditional probability (and its coherent extensions). This gives rise to such a flexible and rich framework that can be seen as a "shell" in which most models introduced to manage partial knowledge (such as fuzzy sets theory and the relevant perceptionbased information, possibility measures, information measures, default reasoning, belief functions) can be re-read from a new perspective.