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Dr. Aït-Kaci's interests are in automated reasoning, knowledge representation, declarative computing, and language processing. He has contributed to the formal design and efficient implementation of very high-level and multi-paradigm programming environments (Logh, LeFun, LIFE), and pioneered the use of constraints for representing and processing knowledge. His current work is in rule-based, constraint-based, "web-oriented", and probabilistic computing.

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