



# A Multi-valued Logic Assessment of Organizational Performance via Workforce Social Networking

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**Abstract.** *Social Media* have changed the conditions and rules of *Social Networking (SNet)* where it comes from people intermingling with each other, i.e., *SNet* is to be understood as a process that works on the principle of many-to-many; any individual can create and share content. It is intended to explore the complex dynamics between *SNet*, *Logic Programming (LP)*, and the *Laws of Thermodynamic (LoT)* in terms of entropy by drawing attention to how *Multi-Value Logic (MVL)* intertwines with *SNet*, *LP* and *LoT*, i.e., its norms, strategies, mechanisms, and methods for problem solving that underpin its dynamics when looks to programmability, connectivity, and organizational performance. Indeed, one's focus is on the tactics and strategies of *MVL* to evaluate the issues under which social practices unfold and to assess their impact on organizational performance.

**Keywords:** Social media · Social science and networking · Philosophy · Logic programming · Entropy · Multi-valued logic · Organizational performance · Artificial neural networks