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WIRELESS SENSOR NETWORKS – APPLICATIONS, CHALLENGES AND INVESTIGATIONS

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RESUMEN

The major concern for the wireless sensor network applications in modern scenario includes trustworthiness among the several challenges like lifetime, responsiveness, robustness, synergy, scalability, heterogeneity, self-configuration, self-optimization and adaptation. The innovative solution for the accomplishment of the trustworthiness in wireless sensor networks is trust and reputation models. Any real-time application becomes adaptable if it ensures the trustworthiness in its functioning. In this exploration, the scope of wireless sensor networks has been exposed from trustworthiness viewpoint. The focus of these systems not only ensure performance parameters like scalability, coverage, adaptability, mobility etc but also the human intractable terms like accuracy, path length and energy consumption including satisfaction level too. This discussion will surely lay the foundation for the newer facet in the wireless sensor networks domain.

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