GREEDY GEOGRAPHIC ROUTING WITH PATH OPTIMIZATION IN WIRELESS SENSOR NETWORKS

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We propose Greedy with Path Optimization Routing (GPOR), a novel geographic routing protocol for wireless sensor networks. GPOR finds initial routing paths by following a greedy with recovery strategy, then uses a follow-up technique to optimize the paths. An attempt is also made to create routing entries applicable to destination areas rather than individual nodes. Main advantages of GPOR are path optimization and void avoidance capacities. We implement GPOR in ns-2 and present simulation results.