Evaluation of needs of Data gathering WSN Applications in MICS Projects

Questionnaire

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The Sensor Network Platform Kit will be providing a demonstration application that is able to gather sensor data over a multihop network. To get an overview of current demands on such an application in the MICS community, you are invited to fill out the following questionnaire. Thank you for your time.							
Questions							
Name:							
Project:							
Network profile How important are the following features for your application (QoS) Not important less importantmore importantvery important Low latency							
* If one of these points is important, specify an approximate target value:							
What are the characteristics of the (sensor-) data traffic? (Multiple answers possible) Bursts							
What is the expected size of the network? Number of devices: About nodes Density: High $(1/m^2)$ \square Medium $(0.1/m^2)$ \square Low $(0.01/m^2)$ \square							
Deployment What terms describe the deployment scenario best? (Multiple answers possible) Indoors □ Outdoors □ Short term (< 1 month)							

How important are the following fe	atures for netw	vork maintenance	?						
Not important	less importar	nt more importan	t very important						
Network reprogramming									
Runtime-configurable									
Network status queries									
Network reprogramming	\Box	\Box	\Box						
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Sensor-data									
Are data sanity checks reasonable	for your applic	ation? Yes □	No □						
Are data sanity checks reasonable for your application? Yes \(\subseteq \) No \(\subseteq \) What is the needed accuracy of sensor data timestamps?									
Order of seconds									
Order of milliseconds									
Order of microseconds									
Event order preserving									
Event order preserving									
Software / Hardware									
What is your preferred node platform?									
How familiar are you with the follow	wing WSN fram	neworks?							
Never heard	Beginner	Advanced	Expert						
TinyOS 1.x									
TinyOS 2.x	\Box	\Box							
Boomerang \square	\Box	\Box	П						
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Remarks									