## Summary of changes to the paper “A Framework for processing sensor data in the cloud”

**Responses to reviews are in bold.**

This paper envisions a cloud-based data intensive computing architecture where stream based real time analysis and batch analysis are combined together to form a rich infrastructure for sensor applications. In other words, it focuses on how sensing data can be integrated and managed in a cloud-based environment.
The authors state that "To best of our knowledge, connecting devices to cloud services for real time processing in a scalable manner is not addressed in the literature." This statement is too strong and probably the authors are not aware of some work available in the literature.

**Removed this statement**

The paper presents an application related to robot.
The comparison of RabbitMQ and Kafka broker is an interesting contribution.
Figure 1 in not adequately commented in the text. Please add more details or remove it.

**Added more details to describe DIKW**

Figure 7 is not adequately described or better, the explanation regarding the high latency observed is not enough to justify such behavior. Please, try to better explain such behavior.

**Added more details about the behavior and added a reference that shows the same behavior**

The paper contains several typos and errors that have to be fixed. A carefull proof reading is also required. I only mention some:

Page 4 2nd column: "The applications we have developed doesn’t uses batch processing" ---> "The applications we have developed do not use batch processing"

**Fixed**

Page 4 2nd column: "Futuregrid has an OpenStack based could implementation" ---> "Futuregrid has a cloud-based OpenStack implementation"

**Corrected as "We use FutureGrid[22] as our cloud platform for deploying the Storm Cluster since it has an OpenStack installation and we can provision VM images using the OpenStack tools."**

Page 8 1st column: "We ran our tests on computation nodes that doesn’t have" ---> "We ran our tests on computation nodes that do not have"

**Fixed**

Page 8 1st column "on high disk IO nodes that shows some large variations" ---> "on high disk IO nodes that show some large variations"

**Fixed**

## Improvements authors have done

1. Improved the overall English of the paper including few grammatical mistakes.
2. Fixed the figure numbering and added more details to the caption of figures 11 and12.
3. Made the references in IEEE format and fixed a reference to TurtleBot.
4. Fixed a typo in Figure 4, 5 and 6 where Spout was written as Sprout
5. Removed un-necessary details from Figure 3 and made the font larger
6. We have removed some repeated content and improved the paper in the TurtleBot application section. 2nd paragraph of TurtleBot application (4th section) is improved by adding a summary of Turtlebot application and moving the details of the algorithm to subsection 4.3, first paragraph. Section 4.3, third paragraph had repeated content and it was removed.
7. Removed repeated content by removing Section 3.5 second paragraph 3rd sentence