IoT challenges

State of the art

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- 1. Introduction
- 2. First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion



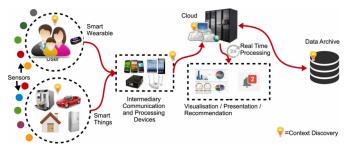


Figure 1: The IoT platform.

- 1. [1] Connect sensors to the gateway[1].
- 2. Connect the gateway to the infrastructure.
- 3. Store & Analyze sensors data[2].

[1] Musa Ndiaye, Gerhard Hancke, and Adnan Abu-Mahfouz. Software Defined Networking for Improved Wireless Sensor Network Management: A Survey In: 17.5 (May 4, 2017). 00053, p. 1031.

[2] Pascall Thubert, Maria Riba Palatella, and Thomas Engel. STECH Centralized Scheduling: When SDN Meet lot In: 18.2016 IEEE Conference on Standards for Communications and Networking (CSCN).

2015 IEEE Conference on Standards for Communications and Networking (CSCN).

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2019 IEEE Conference on Standards for Communications and Networking (CSCN).

2019 IEEE Conference on Standards for Communications

1. Introduction | 1. Context 1/38

Problematic

Where is the problem?

- → lake of quantitative tools
- How to select the best access point



Figure 2: tets.

Motivations

Why should we fix these problems?

- 1.
- 2. QoS Analysis
- 3. Threats



Figure 3: tets.

Goals

specific, measurable, achievable, réalistic, for 3 years ?

- 1. Allow heterogeneous network to communicate
- 2. QoS Analysis
- 3. Threats



Figure 4: tets.

1. Introduction | 4. Goals 4/

Challenges

Where is the difficulty?

- 1. Challenge 1
- 2. Challenge 2
- 3. Challenge 3



Figure 5: tets.

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Contributions

How could be addressed?

- 1. Contribution 1
- 2. Contribution 2
- 3. Contribution 3



Figure 6: tets.

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- Introduction
- 2. First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- 2. Contagion process
- 3. Experimentation
- 4. Results exploitation
- 5. Conclusion

- 1. Introduction
- 2. First contribution
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Related work

Comparison

Paper	A1	A2	A3	A4

Table 1: An example table.

Related work

Comparison

Paper	A1	A2	A3	A4

Table 2: An example table.

- Introduction
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- Related work
- 2. Contagion process
- Experimentation
- Results exploitation
- Conclusion

... (step 1)
Methods

... (step 2)
Methods

2. First contribution | 2. Contagion process

... (step 3)
Methods

2. First contribution | 2. Contagion process

... (step 4)
Methods

Results

Comparison



Table 3

- Introduction
- 2. First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion

- Related work
- Contagion process
- 3. Experimentation
- Results exploitation
- 5. Conclusion

Experimentation

Experimentation



1111



Figure 7: .

- Introduction
- 2. First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion

- Related work
- Contagion process
- Experimentation
- 4. Results exploitation
- Conclusion

Results

Comparison



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Figure 8: .

- Introduction
- 2. First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- Contagion process
- 3. Experimentation
- Results exploitation
- 5. Conclusion

Conclusion

- **⇒** a
- ...



Figure 9: .

- Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- 2. Contagion process
- 3. Experimentation
- 4. Results exploitation
- 5. Conclusion

- 1. Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- Contagion process
- Experimentation
- Results exploitation
- 5. Conclusion

Related work

Comparison

Paper	A1	A2	A3	A4

Table 4: An example table.

Related work

Comparison

Paper	A1	A2	A3	A4

Table 5: An example table.

- 1. Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- 2. Contagion process
- 3. Experimentation
- Results exploitation
- 5. Conclusion

... (step 1)
Methods

... (step 2)
Methods

3. Second contribution | 2. Contagion process

... (step 3)
Methods

3. Second contribution | 2. Contagion process

... (step 4)
Methods

Results

Comparison



Table 6

- Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- Related work
- Contagion process
- 3. Experimentation
- Results exploitation
- 5. Conclusion

Experimentation

Experimentation



1111



Figure 10: .

- Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- Contagion process
- 3. Experimentation
- 4. Results exploitation
- Conclusion

Results

Comparison



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Figure 11:.

- 1. Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- 2. Contagion process
- 3. Experimentation
- 4. Results exploitation
- 5. Conclusion

Conclusion

- **■** a
- ...



Figure 12: .

- Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- 2. Contagion process
- 3. Experimentation
- 4. Results exploitation
- 5. Conclusion

- 1. Introduction
- First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- 2. Contagion process
- Experimentation
- Results exploitation
- Conclusion

Related work

Comparison

A1	A2	A3	A4
	A1	A1 A2	A1 A2 A3

Table 7: An example table.

Related work

Comparison

Paper	A1	A2	A3	A4

Table 8: An example table.

- Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- Related work
- 2. Contagion process
- Experimentation
- Results exploitation
- Conclusion

... (step 1)
Methods

... (step 2)
Methods

4. Third contribution | 2. Contagion process

... (step 3)
Methods

4. Third contribution | 2. Contagion process

... (step 4)
Methods

Results

Comparison



Table 9

- Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- I. Related work
- Contagion process
- 3. Experimentation
- Results exploitation
- 5. Conclusion

Experimentation

Experimentation



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Figure 13: .

- 1. Introduction
- First contribution
- Second contribution
- 4. Third contribution
- 5. Conclusion

- Related work
- Contagion process
- 3. Experimentation
- 4. Results exploitation
- Conclusion

Results

Comparison



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Figure 14: .

- 1. Introduction
- First contribution
- 3. Second contribution
- 4. Third contribution
- 5. Conclusion

- 1. Related work
- Contagion process
- 3. Experimentation
- Results exploitation
- 5. Conclusion

Conclusion

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⇒ b



Figure 15: .

- Introduction
- 2. First contribution
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Conclusion

Our main goal was



Our main contribution was



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Our main results was



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Future Challenges

Conclusion

Our future goal was





5. Conclusion 38 / 38

Future Challenges

Conclusion

Our future goal was



Thank you!

5. Conclusion 38 / 38

References

[1]

- Musa Ndiaye, Gerhard Hancke, and Adnan Abu-Mahflouz. "Software Defined Networking for Improved Wireless Sensor Network Management: A Survey In: 17.5 (May 4, 2017). 00053, p. 1031 (p. 3).
- [2] Pascal Thubert, Maria Rita Palattella, and Thomas Engel. * 6TiSCH Centralized Scheduling: When SDN Meet IoT *. In: 2015 IEEE Conference on Standards for Communications and Networking (CSCN). 2015 IEEE Conference on Standards for Communications and Networking (CSCN). 00033. Tokyo, Japan: Oct. 2015, pp. 42–47 (p. 3).