

IEEE Nagoya YP Workshop 2019 Report

IEEE Nagoya Section Young Professionals Affinity Group

I. General Information

We, IEEE Nagoya YP, held a workshop for young researchers and engineers as follows.

[Date]

December 7th, 2019

[Place]

Nagoya Innovator's Garage

[Supporter]

Toyota Industries Corporation

[Participants]

9 IEEE members and 1 non-member



Fig. 1 Workshop in Nagoya Innovator's Garage

(Assistant Professor, University of Tsukuba)

First, Prof. Osawa gave a talk on the research field of Human-Agent Interaction (HAI), that investigates how humans perceive and interact with agents such as robots and virtual agents. HAI is relevant to several research fields, Robotics, Artificial Intelligence, and Psychology and Cognitive Science. Then, he talked that Science Fiction gives visions and inspirations to actual engineering researchers. He also introduced an ongoing research, a collaboration between Sci-Fi writers and engineering researchers.



Fig. 2 Special talk by Prof. Osawa

II. Workshop Program

(1) 15:00-15:10 Opening Remarks

(2) 15:10-16:10 Special Talk 1

[Presentation Title]

SF から見る未来社会のヒューマンエージェント
インタラクション：SF のステレオタイプと可
可能性

Human-Agent Interaction in Future Society Viewed
from Sci-Fi: Stereotype and Possibility of Sci-Fi

[Lecturer]

Hiroataka Osawa

(3) 16:10-16:20 Break

(4) 16:20-16:50 Special Talk 2

[Presentation Title]

A Study on CM Noise Reduction for High Precision
Biosignal Acquisition System

[Lecturer]

Minghui Chen

(Doctoral Student, Nagoya Institute of Technology)

Mr. Chen explained his current work on a noise

reduction method for biosignals, which will be a basic technology for IoT, driving assistant and so on. His research focuses on Common-mode noise which affects more to signal. Then, he introduced a result of his experiment that his approach had reduced the noise drastically.



Fig. 3 Special talk by Mr. Chen

(5) 16:50-17:00 Closing

III. Conclusion

Both talks helped young members to expand their knowledge and provided great indications for their future works.



Fig. 4 Group Photo