

A Novel Wireless LAN Protocol for Factory Automation Control

情報工学府情報システム専攻D3 LAM DUC KHAI

Introduction

The 2014 IEEE International Conference on Robotics and Biomimetics (ROBIO 2014) is organized from 2014/12/05 to 2014/12/10 in the beautiful island Bali, Indonesia. The objective of this conference is to provide a forum and opportunity for scientists and engineers to meet and assess the latest developments in the fast growing fields. The conference has 455 oral and poster presentations from 40 countries and regions.

Experience of the conference

The theme of Robio 2014 is “Robots that serve people”, reflecting the ever growing interests in research, development and applications in the dynamic and exciting areas of robotics and biomimetics. There are three invited speakers to give the key talks about humanoid robotics and bioengineering during the conference. They are professor Atsuo Takanishi, from Waseda University, Japan, professor Daniel E. Koditschek, from University of Pennsylvania, USA and professor Dong Sun, from University of Hong Kong, Hong Kong, China. The presentation topics from speakers are focused on mobile robots, surgical robots, medical robots, human robots, biological robots and robot control.

I did presentation with the topic “A Novel Wireless LAN Protocol for Factory Automation Control”. There were two questions from audi-

ences on my topic. After the meeting session, we continued to discuss more on this topic and I have explained more detail for them to understand.

I also attended at more than 30 presentations of other speakers to listen the interesting topics on up-to-date robot fields. I also gave the questions and comments to the speakers. I have made friends with many researchers who come from Japan, Thailand, China, Germany, Norway and Belgium. We had the great time to share our the research topics and student life.

Experience in Bali

After the conference was finished, I had an interesting day to visit and discover about the Bali. With a population of 4,225,000 as at January 2014, the island is home to most of Indonesia’s Hindu minority. According to the 2010 Census, 84.5% of Bali’s population adhered to Balinese Hinduism, 12% to Islam, and most of the remainder followed Christianity. I visited the Tanah Lot Temple which is the most renowned temple in Bali and have become an icon of the island. I also visited the local traditional market in Bali to see how the daily life of Balinese is. In the local market, I had a chance to communicate with the local people to find that the Balinese are very friendly, kindly. I was really enjoyed by the traditional dance from Hindu Balinese, called Legong.

Thankful expression

By attending the ROBIO 2014 conference, I had a great opportunity to enlarge my knowledge on not only the research area but also the life experience, the living culture of Bali, Indonesia. I would like to express my sincerest gratitude that the Meisenkai scholarship organization had supported me the budget to attending this conference so that I could get the unforgettable experiences.



The traditional Legong dancers.