tural elements of natural continuous media. Ferromagnetic resonators with special-form surface metallizations are characterized by oscillating processes of the RF magnetization and the RF surface electric current and may be considered as bianisotropic particles with "glued pairs" of two (electric and magnetic) mutually coupled dipoles. A composition of such bianisotropic particles gives an artificial material with new electromagnetic properties. Theoretical models published in my recent papers and our common experimental results obtained in Prof. I. Awai's laboratory, show that we can be rather optimistic in our estimations to use ferromagnetic resonators with a specialform surface electrodes as "bianisotropic atoms" for future microwave complex materials and new microwave devices. I got the feeling that Prof. I. Awai and his research group are very much interested in these topics as well and that our co-operation will be continued.

Summary

This stay, as the previous one, had a great impact on my understanding of Japanese university research and approach to basic and device related topics. Looking back I feel that this visit to Department of Electrical and Electronic Engineering, Yamaguchi University was very fruitful for me. I gained a lot from scientific discussions with Prof. I. Awai, Mr. A.K. Saha and Dr. A. Sanada. I was able to be in touch with students of Prof. Awai's laboratory. We successfully carried our joint experiment and obtained fundamentally new results. I would like to express my deep thanks to Prof. Ikuo Awai for inviting me and undertaking all the organization of my visit. I would like to thank Dr. A. Sanada and Mr. A.K. Saha for their general support and undertaking the organization of my visit.

I am thankful to students of Prof. I. Awai's laboratory for their interest to the subject of my research and their help in carrying out our experiments. I have to acknowledge the support of the Japanese Ministry of Education. I am grateful to the President of Yamaguchi University and the Dean of the Faculty for accepting me at the Faculty and the Venture Business Laboratory. I will always remember the warm welcome in Japan.

I hope that this my visit will turn out a milestone in continuation of our joint research in realization and application of fundamentally new microwave complex materials.

5) My Visit to Yamaguchi University Institute of Biological Sciences and Venture Business Laboratory; February 1- March 12, 2001

Dr. Reza Md. Shahjahan



Senior Scientific Officer, Institute of Food and Radiation Biology (IFRB), Atomic Energy Research Establishment (AERE), Savar Bangladesh Atomic Energy Commission, Dhaka

世話教官: 理学部·自然情報科学科教授 遠藤 克彦

Introduction

I have the pleasure to gratefully acknowledge the untiring efforts of Professor Katsuhiko Endo, System Biologist, Faculty of Science, Yamaguchi University (YU) Institute of Biological Sciences for opening a gate of cooperation through bilateral agreement between IFRB and YU. And inviting me to visit his laboratory under a joint venture of the Venture Business Laboratory (VBL), Graduate School of the Faculty of technology Yamaguchi University, form the 1 February to 12-th. March 2001 as an Associate Professor. Since my graduation from the University of Manchester, UK, I have had always a desire to explore Science and Technology in the eastern hemisphere. Being driven by such an ambitious and noble desire and dream as an young graduate I was always kept a conscious out look on the research in biological science in this zone. The dream came partially true in January 1993, When I was given a chance to participate Japan Atomic Energy Research Institute (JAERI) training course entitled Molecular Techniques in Biological Sciences at Tokyo, sponsored by the International Atomic Energy Agency (IAEA) of the United Nations. Where I had an exposure to several Japanese research Institutes and Industries associated with the use of nuclear technology. But the real thirst remained unexplored I no chance to visit the universities where the building blocks of manpower are being made.

Although I was thinking to have a post-doc in Japan but I had to go USA for doing that and my desire to visit Japan remained un-translated. Since 1997 one of my students and junior colleagues was trying to get a Monbusho scholarship in Japan for post graduated studies leading to Ph.D., which was followed by several others, where I acted as a referee. I had the chance to Professor Endo and his works. His dynamic drive and entheujestic approach has enabled to reach me the present status at Yamaguchi.

Brief of the present stay

During the short period of forty days stay we could know each other in on a professional goal more closely. I have had very often discussions with his doctoral students, research associates and junior colleagues. The name of Mr. Akira Yamanaka is worth mentioning here. I have also enjoyed the graduate and undergraduate student research works, although discussion at this level was limited by language barrier. But the sincerity of the students to let me know their work, has convinced me to wish myself that if I could speak the Japanese at least communicate, even it was not like the natives. I was delighted by the accent of speech and the way of humble presentation. Besides, with the open hearted introduction of Professor Endo, I had the opportunity to visit other Professors and their laboratories in the faculty, namely Professor Tomioka, Prof. Inouey, Prof. Mimmuro, Prof Miakawa Dr. Watanabe and several others, gather idea what they are doing. Apart from this, I attended the first meeting of the Research Institute of Time Sciences (RITS) held on Feb. 9-10 at the university campus and at the city center halls. It was lectured by several national and overseas speakers. I also attended the graduate students final research presentations on 13 th. February.

With Professor Endo, I visited the Okinawa, Ishigaki and Irinamote, the southern islands of

Japan, Some them has characterstic subtropical vegetation and insect fauna in particular. We visited the Institute of Tropical Agriculture at Irinamote, University of Ryukyu and Fruit fly Eradication Center at Okinawa. Our particular attention was area-wide pest management without disturbing the environmental balance. Dr Kenji, Professor T. Ueahara, and Dr. Yamashingi's rloe for this is worthy of praise.

Future Collaboration

During the entire period of my stay at Yamaguchi, Professor Endo was all along with me with a supporting hand, in spite of his busy schedule of research and administrative duties. I was provide a room beside his office. Professor Endo and myself, often Yamanaka had frequent discussions and exchange of ideas on our mutual research interest. His work on neuro-endocrine requlation of insect development and their environmental adaptation, particularly polymorphism in several species of butterflies, impact of photoperiodism influenced me a lot. With his guidance and expertise, one of junior colleagues hopefully start his Ph.D. research work in this area. We are also thinking for a Joint Research Program in this area where part of the could be done in his laboratory and partly in my laboratory. Thus our students can arrive here even on a part time basis and expertise from here can visit our laboratory, even it could be part time graduate student exchange. I will be grateful to invite Professor Endo and Dr. Yamanaka visit our laboratory.

Summary

Again, I express gratefully appreciate the Professor Endo and his family from the core of my heart for the unparallel service they rendered me from the first day of my arrival up to my departure, to make my life comfortable here, as regards food, shelter, transport and culture. I also acknowledge Dr. Yamanaka and his family and professor Endo's students. Other academic and administrative stuffs of the faculty and VBL for their kind service and cooperation. I believe that our friendship and cooperation to build up science and technology will increase day by day.