



**His Excellency
Ratu Epeli Nailatikau**

CF, LVO, OBE(Mil), OStJ, CSM, MSD

Excerpts from Address

by the **President of the Republic of the Fiji Islands**

The Government of Fiji has always recognised that ICT must be fully exploited as a means of overcoming the geographic constraints of vastness and isolation that we face in the Pacific. The Government of Fiji strongly supports the development of ICT Infrastructure, and the use of ICTs in education.

I acknowledge the leadership role that USP has taken with regard to the development of ICT in the Pacific region. I am also pleased to acknowledge that this assistance to the region has been made possible by the Government of Japan through the Fiji Government.

I have personally witnessed the support that the Government of Japan has lent to human resource capacity building, and the vast amount of technical assistance it has provided to the region over many years. I thank the Government of Japan for its longstanding support for the Pacific Island countries, and for its generosity and foresight. It has established itself as a major donor that supports education and the empowerment of Pacific peoples. Japan has recognised that the extent to which ICT develops in the region is directly linked with future economic prospects and may well dictate the success or failure, of regional cooperation initiatives.

While the Japan-Pacific ICT Centre is housed in two truly landmark buildings on campus, and their timely construction is a true testament to the efficiency and high quality standards of Japanese construction, the Japan-Pacific ICT Centre is not remarkable only for its appearance. The centre is about much more than appearance. I share the excitement that is a buzz about this centre because of what may happen and should happen inside this gleaming structure and its potential impact on data collection, knowledge sharing, and information management in the Pacific.

Excerpts from Address

by the **Vice-Chancellor and President of The University of the South Pacific**

Japan has long been a loyal friend to the nations of the Pacific, and has consistently and generously provided funding and technical assistance in the area of education and capacity building. This willingness of Japan to share its knowledge and technology with the Pacific Island Countries demonstrates Japan's deep commitment to meeting the needs of our region.

The Japan-Pacific ICT Centre is an excellent example of development assistance that will benefit the entire region. The Government of Japan through Japan International Cooperation Agency (JICA) has provided not only the infrastructure, but has also funded many IT experts to assist the University achieve the greatest possible impact by this Centre.

I also acknowledge with deep gratitude the role of the Fiji government in facilitating the ICT Centre project. The Fiji government magnanimously accepted this investment as bilateral assistance and has provided numerous other benefits without which this Centre could not have been established. I express the University's deep gratitude to the Government and people of Fiji for their generosity and assistance not only to this project, but to USP since its establishment in 1968

Although the Centre is located here at the Laucala Campus in Fiji, it is a resource for the region. I wish to emphasise the fact that as a regional University, USP is committed to ensuring that the benefits from this very large investment reach our other regional countries.

The Japan-Pacific ICT Centre will also be a regional hub for ICT activities beyond USP's own programmes. It will house the new Pacific Regional Telecommunications Regulatory Centre as well as PacCERT, a major programme to provide cyber security to Pacific Island countries.

The Centre will become a major nucleus of research and development. It will be a showcase for new technologies; a centre for the evaluation of these technologies and open source software; a base for researching the social and cultural impact of ICTs; and a place for bringing business and ICT together for mutual benefit.

I wish to record our deep appreciation to the Government and people of Japan for the magnificent gift to the Pacific Islands that the Japan-Pacific ICT Centre represents.



**USP Vice-Chancellor
and President
Professor Rajesh Chandra**



Computer laboratory



Server room



Video conference



USP Net

DESIGN CONCEPT

The Japan-Pacific ICT Centre, established in the USP Campus, is expected to be the 'Development Base' for the Independence and Development, in order to mitigate the information differential or 'digital divide' in the Pacific region, and to be the Center to distribute its traditional culture toward the World by digitalising it through ICT.

The design concept for the ICT Centre is to create the comfortable studying space, in consideration of the USP Building Standard targeting the 'Symbiosis with Nature', which reflects the tropical climate, such as heavy rain and high temperature. The building was designed with inner courtyard, balcony, high ceiling, aluminum louvers and big eaves, etc., to avoid the damage by strong sunlight and heavy rain, to utilise the natural ventilation throughout the building, and to expedite the communication among students in the symbiotic atmosphere with Nature. The mechanically air-conditioned rooms were, therefore, limited to the computer-installed space such as Server Room and Computer Laboratories.

The front facade of the building was designed in full consideration of the 'vista' from the courtyard called 'Malae' or the centre of the USP Campus, and the side facade was designed as homage to the traditional cylinder columns of the Pacific region. The front facade of the multi-purpose theatre in the Construction Phase II is designed with 12 outer columns, which symbolise 12 Member Countries of USP. Behind the 12 columns, there are images of 'Tapa Cloth' of the 12 Member Counties made of mo-saic tiles on the wall. In addition, the large roof of the multi-purpose theatre is designed with a homage to traditional steep thatch roof called 'Bure', of the pacific region and functionally designed to exhaust smoke system in case of fire, from inside theatre to outer air by its upper exhaust fan. The building safety was highly improved and realised in.

Project Manager / Chief Architect

Hiroyuki KOIKE (Azusa Sekkei Co., Ltd.).

SCALE OF BUILDING

Total floor space = 5,412m², Building A = 2,602m², Building B = 2,692m², Connection Bridge = 118m²

Four Storied Building Main structure: reinforced concrete Height of Building 32.2m (above sea level)

Main Room: Computer Laboratory×10rooms, Video Conference room, USP Net control room

Test Bed room, Broadcasting Studio, ITS General Office, Server room, Staff office

Main Facilities: Emergency Generator (200KVA Diesel engine) Emergency light, Fire alarm system

Offices and Sections under the Japan-Pacific ICT Centre

1. ICT Centre
2. IT Services
3. School of Computing, Information and Mathematical Sciences
4. School of Engineering and Physics labs

Facilities available

- Research Laboratory
- Video Conference room
- Conference room
- Digitisation room
- Radio Pasifik
- 2 Professional and Development Labs (25 PC's each)
- 2 General Access Labs (60 PC's each)
- 1 Dedicated Networking lab (40 PCs)
- 4 Dedicated Computer Teaching Labs (40 PCs each)
- 20 High-end Servers
- 3 Incubation Offices
- Test bed/Incubator
- Full backup Power Generator

Professional training courses that will be offered

1. Cisco Academy
2. RedHat Linux Academy
3. ITU Web-Design Academy
4. CompTIA Training
5. Microsoft Training



Total floor space of ICT Centre: 6662m²

School of Computing, Information and Mathematical Sciences

The School of Computing, Information and Mathematical Sciences currently offers the following undergraduate and postgraduate programmes in Computing Science and Information Systems.

- Bachelor of Science in Computing Science
- Bachelor of Science in Information Systems
- Bachelor of Art in Information Systems
- Postgraduate Diploma in Computing Science
- Postgraduate Diploma in Computing and Information Systems
- Postgraduate Diploma in Enterprise Information Systems
- Master of Computing and Information Systems
- Master of Science in Computing Science
- Master of Science in Information Systems
- PhD in Information Systems
- PhD in Computing Science

USP-JICA ICT for Human Development and Human Security Project

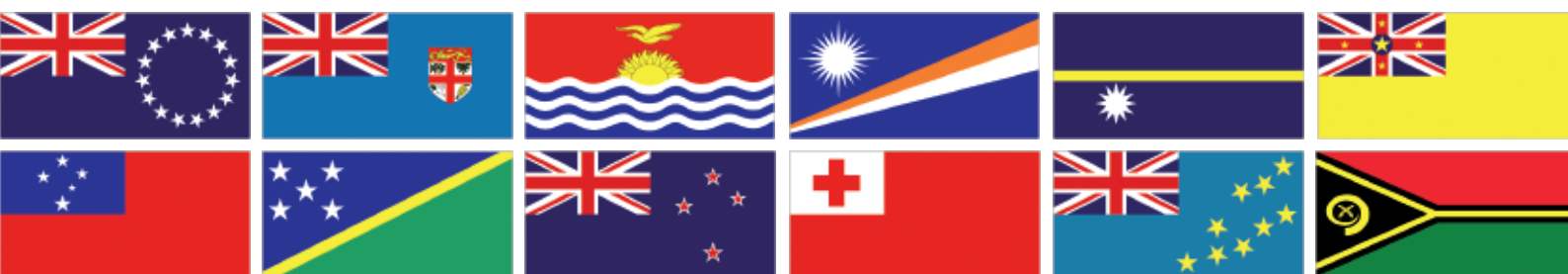
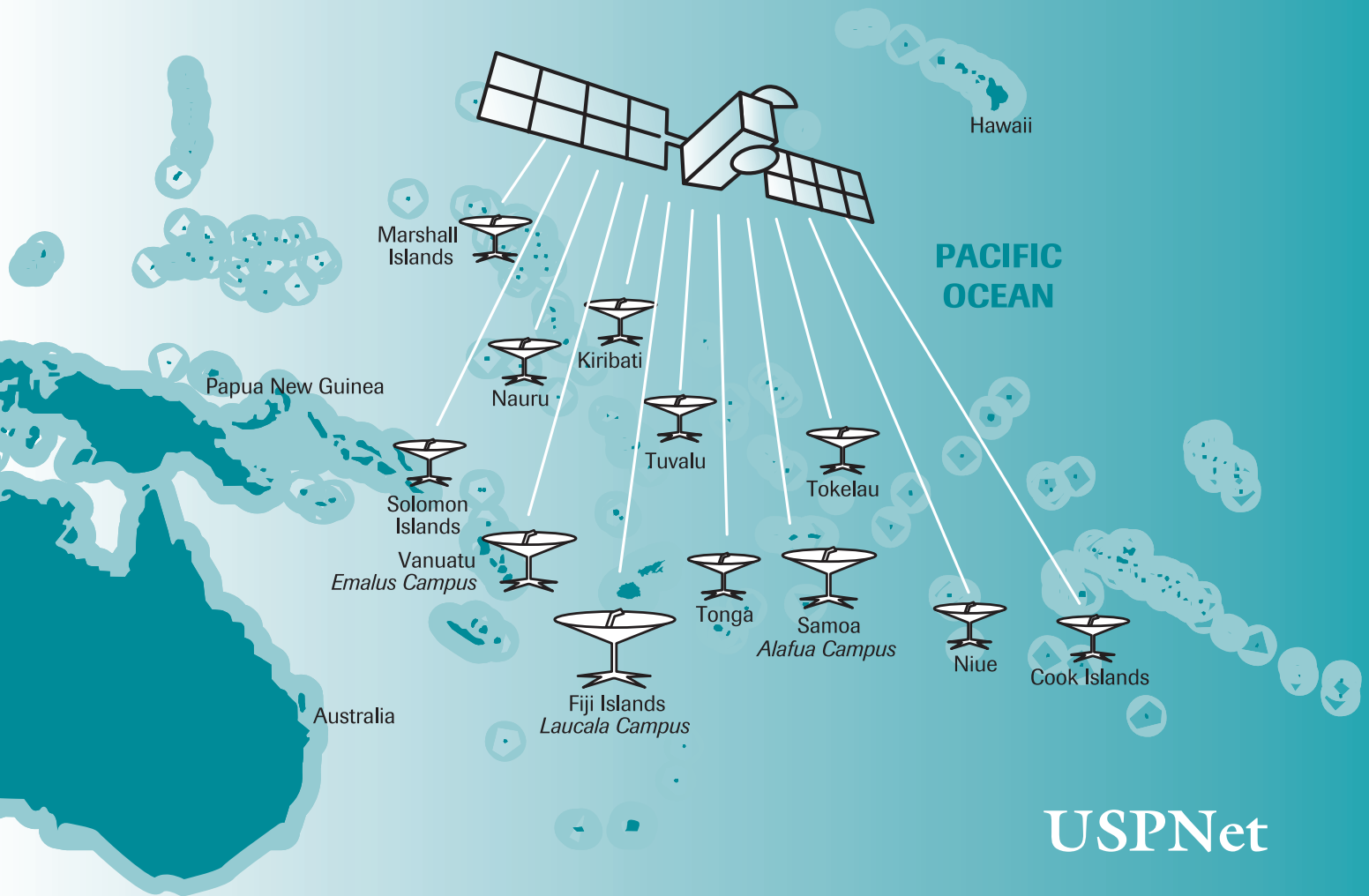
Project Outline

Project Period:	3 years (Feb.2010 – Jan.2013)
Project Total Budget:	Around \$US 3.0 million
Long-Term Experts:	Chief Advisor / Project Coordinator
Short-Term Experts:	10 experts / year (Curriculum Advisor, Satellite Communication, ITIL, Network Monitoring, Distance Learning Pedagogical Technique, CERT establishment etc.)
Training:	Short-Term Training in Japan (NOC, PacCERT etc.) Long-Term Training in Japan (Master/PhD)
Equipment:	Satellite Equipment, Network Equipment, Servers, PCs etc.

Project Activities

The JICA project, in collaboration with key stakeholders at USP, provides support for four components including:

1. Designing two new undergraduate majors in Software Engineering and Net-Centric Computing,
2. Optimising performance and scalability of USPNet,
3. Enhancing Distance and Flexible Learning (DFL) technologies, and
4. The utilisation of the ICT Centre for local and regional development.



USP networks with its 12 member countries in the South Pacific: Cook Islands, Fiji Islands, Kiribati, Marshall Islands, Nauru, Niue, Samoa, Solomon Islands, Tokelau, Tonga, Tuvalu, Vanuatu and many more to deliver its academic programmes and other activities.

CO-PARTNERS FOR THIS PROJECT

- Government of Japan • Government of Fiji
- **GRANT ASSISTANCE:** Japan International Cooperation Agency
- **CONSULTANT:** Azusa Sekkei Co., Ltd. • **CONTRACTOR:** Konoike Construction Co., Ltd.
- **EQUIPMENT SUPPLIER:** Kanto Bussan Kaisha Ltd • **CLIENT:** The University of the South Pacific

