

## Message from the Organizer

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Dear Friends and Colleagues:

Happy New Year!

On behalf of the Organizing Committee, it gives me great pleasure to invite you to participate in the 7th Congress of the Federations of Asian and Oceanian Physiological Societies (FAOPS), to be held in Taipei, Taiwan on September 11-14, 2011.

With the human genome deciphered during the last millennium, the first decade of this millennium saw shifting of biomedical research from identification of novel genes and proteins to delineation of novel functional phenotypes for these genes and proteins. By bridging molecules and functions, it is anticipated that physiology will again be in the scientific limelight in 2011. It is in this spirit that the theme of the 7<sup>th</sup> FAOPS Congress is “Physiology: the continuum of genes to functions”.

The Congress will provide an excellent opportunity to review the current advances in physiological science. Many distinguished physiologists have accepted our invitation to participate in this Congress. Papers will be presented in the form of plenary lectures, special lectures, symposia, topical workshops, and oral or poster presentations. We are now calling for Abstracts for free communications, which will form the core of our scientific program.

The Congress will also be a premier venue for young physiologists to advance their career development. For this purpose, we are prepared to support young investigators, through the Young Investigator Award, to encourage them to participate in the 7<sup>th</sup> FAOPS Congress.

Please visit the Congress website <http://conf.ncku.edu.tw/faops/> for detailed information on the scientific program, registration, abstract submission, application procedures for the Young Investigator Award, accommodation and exhibits. The **deadline** for early registration, abstract submission, and application for Young Investigator Award is **APRIL 30, 2011**.

We look forward to welcoming you to the 7<sup>th</sup> FAOPS Congress and to the beautiful city of Taipei in September 2011.

Cordially,

Julie Y.H. Chan, PhD

Chairperson

Organizing Committee of the 7<sup>th</sup> FAOPS Congress

For further information please contact:

MeiLing Tsai, PhD

Secretary General

The 7<sup>th</sup> FAOPS Congress

E-mail: [mltsai@mail.ncku.edu.tw](mailto:mltsai@mail.ncku.edu.tw)

## Organization

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Shu Chien

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Mei-Ling Tsai

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Eminy H.Y. Lee

Jia-Yi Wang

Pi-hsueh S. Li

Chen-Tung Yen

Ching-Jiunn Tseng

## Key Dates

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		<b>Events</b>
<b>2010</b>	04/30	Deadline for symposium proposal
	07/01-07/04	Site visit of FAOPS councils
	08/31	Issue of 2 <sup>nd</sup> announcement
	12/31	Issue of 3 <sup>rd</sup> announcement
<b>2011</b>	01/15	Open for abstract submission and registration
	04/30	Deadline for 1. Early registration 2. Abstract submission 3. Application for Young Investigator Award
	06/15	Notification of Young Investigator Award
	05/01-09/14	Late registration
	09/10	Satellite Symposium on physiological education Satellite Symposium on herbal medicine Cross-Strait Joint Symposium on Basic and Applied Physiology
	09/11-09/14	7 <sup>th</sup> FAOPS Congress in Taipei

## General Information

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### Visa Requirement

There is a visa exemption for citizens from 33 countries to enter Taiwan.

(For details please see <http://www.boca.gov.tw/ct.asp?xItem=1443&ctNode=116&mp=2>)

Regular visitor visa is required for other citizens.

(For details please see <http://www.boca.gov.tw/content.asp?CuItem=1900>)

If you need other supporting documents (e.g. [invitation letter](#)), please write to the FAOPS Secretariat ([FAOPS@conf.ncku.edu.tw](mailto:FAOPS@conf.ncku.edu.tw)).

### Local Weather Information

For updated weather information please see <http://www.cwb.gov.tw/eng/index.htm>.

### Arrival

There are two convenient routes from abroad to get to [Taipei](#) (either Taipei or Kaohsiung).

- The more direct way is to fly into [Taipei International Airport](#) (also known as [Taoyuan International Airport](#)) and then take a shuttle bus to [Taipei Main Station](#). It will take approximately 50-60 minutes, and the fare is NT\$125 (adult) or NT\$65 (child).
- The other way is to fly into [Kaohsiung International Airport](#) and take a domestic flight or Taiwan High Speed Rail to Taipei.

### Transportation

Taiwan Taoyuan International Airport <http://www.taoyuanairport.gov.tw>

Taiwan Kaohsiung International Airport <http://www.kia.gov.tw>

Taiwan High Speed Rail <http://www.thsrc.com.tw>

Taiwan Railway Administration <http://www.railway.gov.tw>

Taipei E-Bus System <http://www.e-bus.taipei.gov.tw>

Taipei Songshan Airport <http://www.tsa.gov.tw>

Taipei Metro <http://www.trtc.com.tw>

## Congress Venue

The Congress will be held at the [National Taiwan University Hospital \(NTUH\) International Convention Center, Taipei, Taiwan](#). Detailed floor maps will be displayed near the conference rooms at the Congress venues. There will be special FAOPS 2011 flags placed in front of the venue for identification.

## Registration

Online registration is available at the [7<sup>th</sup> FAOPS Congress](#) website. Please note that presenting authors must [register](#) on-line before the deadline (April 30, 2011) of [abstract submission](#). The opening hours of the Registration Desks are:

September 11 (Sunday):	From 13:00 to 20:00
September 12-13 (Monday-Tuesday):	From 07:30 to 20:00
September 14 (Wednesday):	No registration.

## Language

The official language is English. Translation service between Chinese and English is provided for non-scientific activities.

## Participant Identification

At the Registration Desk, participants will each receive the Congress badge and Proceedings. The Congress badge is required for admission to all scientific sessions and meal services. All Congress staffs wear yellow badges and in addition some wear *blue T-shirts* for easy identification.

## Service Desk

During the Congress, a Service Desk operates at the entrance to the Congress venue from 7:00 to 19:00 hrs. For all inquiries please contact this Desk. At this Desk there is a message board and an area displaying updated Congress pictures. Electronic copies will be available for download on the FAOPS website after the meeting.

## **Internet Service**

Free wireless connection is available at the conference venue. A limited number of computers are also available. For details and additional help please contact the Service Desk.

## **Currency Exchange**

The currency in Taiwan is the New Taiwan Dollar (NTD) (for details see <http://eng.taiwan.net.tw/m1.aspx?sNo=0002065>). NTD can be exchanged at the international airports of Taiwan or at major hotels. For updated exchange rates, please see <http://finance.yahoo.com/currency>.

## **Smoking**

Smoking is prohibited inside the Congress venue. Smoking is permitted may be allowed in outdoor areas (please ask Service Desk for assistance).

## **Insurance**

Kindly check the validity of your personal and medical insurance. The Congress organizers will not accept liability for personal injuries or loss or damage of property belonging to the Congress participants. Group insurance is included in the charges for congress tours.



## Registration

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<u>Deadline</u>	<u>Registrant</u>	<u>Registration Fee</u>
<b>Early registration:</b> <a href="#">Deadline: April 30, 2011</a>	Regular	<b>USD 300</b>
	Post-doctoral fellow	<b>USD 200</b>
	Student	<b>USD 100</b>
	Accompanying person	<b>USD 200</b>
<b>Late registration:</b> <a href="#">After April 30, 2011</a>	Regular	<b>USD 400</b>
	Post-doctoral fellow	<b>USD 250</b>
	Student	<b>USD 150</b>
	Accompanying person	<b>USD 250</b>

### **Registration fee for Regular Participant and Student includes:**

1. Admission to scientific program of the Congress
2. Admission to exhibition of the Congress
3. Documentation including abstract CD-ROM
4. Opening Ceremony, Welcoming Reception and Closing Ceremony

### **Registration fee for Accompanying Person includes:**

1. Opening Ceremony, Welcoming Reception and Closing Ceremony
2. Admission to poster presentations

### **Congress banquet**

Tickets for Congress banquet can be ordered on-line or at the Service Desk for USD 70.

### **Cancellation and refund policy**

To cancel and receive an 80% refund for registration, the registration receipt and a cancellation letter requesting a refund of the registration fee must have been received by **August 10, 2011**. After August 10, 2011 there are no refunds.

## Call for Abstracts

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**Submission deadline: April 30, 2011**

Free communications are in the form of poster presentation; some abstracts will be selected for oral presentations in an appropriate symposium

Themes for Abstracts:

1. Ageing
2. Alternative medicine
3. Bioengineering
4. Control of cardiovascular functions
5. Computational physiology
6. Environmental physiology
7. Epithelial physiology
8. Exercise physiology and respiration
9. Gastrointestinal physiology
10. Herbal medicine
11. Hypoxia
12. Ion channel
13. Metabolism and endocrinology
14. Mitochondrial function
15. Nervous system
16. Physiological education
17. Redox signaling
18. Renal physiology
19. Sensory and motor physiology
20. Signal transduction and cell physiology
21. Stem cell
22. Synaptic transmission, learning and memory
23. Systemic and integrative physiology
24. Vascular physiology
25. Others

## Young Investigator Awards

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The aim of the Young Investigator Awards is to provide an opportunity for young physiologists based in the Asian and Oceanian region to interact with regional scientists by presenting their work at the Congress.

- Eligibility

- (1) Age: 45 or under on September 1, 2011
- (2) Postdoctoral fellows and faculty with a rank not higher than assistant professor or equivalent

- The Award

- (1) Each awardee will receive USD500
- (2) Registration fee will be waived

- Application Materials:

Please upload the following items in a single pdf file at:

<http://conf.ncku.edu.tw/faops/>. Start a new page with each item.

- (1) [Curriculum Vitae](#) and Photograph
- (2) [Letter](#) signed by Department Chairman or Supervisor certifying the status of the applicant
- (3) Submitted Abstract
- (4) Full Manuscript
  - The manuscript should be written in English and should be an expansion of the submitted Abstract.
  - It should include Introduction, Methods, Results, Conclusions, References and Figures.
  - Include full first name, middle initial and last name for all authors. The applicant must be the first author.
  - Write the manuscript in single space using the Times New Roman in 12 points. The page limit for the entire manuscript is 15.

**✧Application deadline: April 30, 2011**

**✧Notification of award: June 15, 2011**

## Confirmed Plenary Lectures

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### **Shu Chien**

*(Department of Bioengineering, University of California, San Diego, USA)*

#### **Tentative title:**

“Role of Mechanotransduction in Cardiovascular Homeostasis”

### **Ken-ichi Honma**

*(Department of Physiology, Hokkaido University School of Medicine, Sapporo, Japan)*

#### **Tentative title:**

“Circadian Organization of Brain Functions: from Molecule to Behavior”

### **Shmuel Muallem**

#### **"John A. Young Lecture"**

*(Department of Physiology, University of Texas Southwestern Medical Center, Dallas, USA)*

#### **Tentative title:**

“Mechanism and Regulation of Epithelial HCO<sub>3</sub><sup>-</sup> Secretion”

### **Xiong-Li Yang**

*(Institute of Neurobiology, Fudan University, Shanghai, China)*

#### **Tentative title:**

“Modulation of Retinal Information Processing”

## Confirmed Special Lectures

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- **Saleh Zahedi Asl (Iran)**  
**Tentative title:** Developmental effects of effects of fetal and neonatal thyroid hormones on carbohydrate metabolism during adult life
- **Angela Dulhunty (Australia)**  
**Tentative title:** Molecular interactions allowing skeletal muscle excitation-contraction coupling
- **Won-Kyung Ho (Korea)**  
**Tentative title:** Crosstalk between two energy sensors, AMPK and KATP channels, in pancreatic cells
- **Suhn Hee Kim (Korea)**  
**Tentative title:** Pathophysiological roles of atrial natriuretic peptide
- **Nateetip Krishnamra (Thailand)**  
**Tentative title:** A perspective view on differential bone changes in physiological and pathological hyperprolactinemia
- **Chung Chin Kuo (Taiwan)**  
**Tentative title:** Electrophysiological perspectives on the treatment of Parkinson's disease
- **Lan Ma (China)**  
**Tentative title:** From molecule to behavior: unveiling the importance of novel signaling pathways in brain physiology
- **Florian Lang (Germany)**  
**Tentative title:** Suicidal erythrocyte death
- **Eminy H.Y. Lee (Taiwan)**  
**Tentative title:** Hes-1 negatively regulates GluR1 expression and calcium influx

- **Harunori Ohmori (Japan)**  
**Tentative title:** Processing of the interaural time difference cues for the localization of a sound source
  
- **Mohan Raizada (USA)**  
**Tentative title:** Vasoprotective axis of the RAS as a target for cardiopulmonary disease therapeutics
  
- **Ravshan Sabirov (Uzbekistan)**  
**Tentative title:** Anion channel-mediated metaboergic signalling
  
- **Makoto Tominaga (Japan)**  
**Tentative title:** Physiological significance of thermosensitive TRP channels
  
- **Xiao-Min Wang (China)**  
**Tentative title:** Efficacy and mechanism of electro-acupuncture on Parkinsonian models
  
- **Irving Zucker (USA)**  
**Tentative title:** The origin of sympatho-excitation in heart failure: A critical role for Angiotensin II

## List of Symposia

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1. Cellular redox signaling and mitochondrial function
2. Central mechanisms of cardiovascular adaptation
3. Epithelial transporters: properties, regulation and relation to diseases
4. Evidence-based alternative medicine
5. Exercise physiology
6. Impact of environmental chemicals on brain development
7. Mechanotransduction in endothelial cells
8. Obesity and cardiometabolic abnormalities
9. Pathophysiology of ageing
10. Signal transduction in epithelial transport
11. Stem cell
12. Synaptic and network plasticity in development and learning
13. Innovative teaching in physiology
14. Vascular diseases and their therapies

## Satellite Symposia

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🏠 Physiological Education –

Title: **Preparing Educators for Millennial Generation Learners**

9/10, Venue: Taiwan University Hospital Convention Center (THCC, Taipei)

<http://www.thcc.net.tw/en/index.htm>

Program: [Symposium of Physiological Education & Education related activities in FAOPS 2011](#)

Post-Congress tour: [National Cheng Kung University](#)

🏠 Herbal Medicine –

Title: **Traditional Chinese Medicine and Alternative Medicine**

9/10, Venue: B1 International Conference Room, China Medical University, Taichung

<http://english.moe.gov.tw/mp.asp?mp=1035>

Program: [Traditional Chinese Medicine and Alternative \(Herbal\) Medicine](#)

🏠 Cross-Strait Joint Symposium –

Title: **Basic and Applied Physiology**

9/10, Venue: Taiwan University Hospital Convention Center (THCC, Taipei)

<http://www.thcc.net.tw/en/index.htm>

Program: **Cross-Strait Joint Symposium on Basic and Applied Physiology**

<http://conference.ym.edu.tw/actnews/?Sn=59>

- ♣ **All the speakers and participants of Satellite Symposia who wish to attend the 7<sup>th</sup> FAOPS Congress should register for the Congress**



## Congress Venue

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The Scientific Sessions will be held at

Taiwan University Hospital Convention Center (THCC, Taipei)

<http://www.thcc.net.tw>



MRT (Mass Rapid Transportation):

- The red line: get off at NTU Hospital Station, Exit 2
- The blue line: get off at Shandao Temple Station, Exit 2

Approximately a 10-minute walk from MRT stations (red line: NTU Hospital Station; blue line: Shandao Temple Station) to THCC.

## Scientific Program of the 7th FAOPS Congress

### September 11, 2011 (Sunday)

		1 <sup>st</sup> Floor	3 <sup>rd</sup> Floor (Room 301)
Registration (1F Lobby)	13:00-15:00		General Assembly
13:00 to 20:00	16:30-18:00	Opening Ceremony (Room 101)	
	18:00-20:00	Welcoming Reception	

### September 12, 2011 (Monday)

		2 <sup>nd</sup> /3 <sup>rd</sup> Floor			
		Room 202	Room 203	Room 205	Room 301
Registration (2F Lobby)  07:30 to 20:00	7:30-8:00	Poster Mounting			
	8:00-9:40	Symposium 1 (S1)	S2	S3	Oral communication 1 (O1)
	9:40-10:00	Poster Viewing (From 08:00 to 15:30) Coffee Break (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)			
	10:00-11:00	Plenary Lecture (K1)			
	11:00-12:30	Poster Presentation			
	12:30-14:00	Lunch/Workshop (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)			
	14:00-15:00	Special Lecture 1 (SL1)	SL2	SL3	SL4
	15:00-15:30	Coffee Break (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)			
	15:30-16:30	Plenary Lecture (K2)			
	16:30-18:10	S4	S5	S6	O2
18:30-20:00	(Council Meeting)				

**September 13, 2011 (Tuesday)**

		2 <sup>nd</sup> /3 <sup>rd</sup> Floor			
		Room 202	Room 203	Room 205	Room 301
Registration  07:30 to 19:00	7:30-8:00	Poster Mounting			
	8:00-9:40	S7	S8	S9	O3
	9:40-10:00	Poster Viewing (From 08:00 to 15:30) Coffee Break (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)			
	10:00-11:00	Plenary Lecture (K3)			
	11:00-12:30	Poster Presentation			
	12:30-14:00	Lunch/Workshop (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)			
	14:00-15:00	SL5	SL6	SL7	SL8
	15:00-15:30	Coffee Break (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)			
	15:30-16:30	Plenary Lecture (K4)			
	16:30-18:10	S10	S11	S12	O4
19:00-21:00	<b>Congress Banquet</b>				

**September 14, 2011 (Wednesday)**

		Floor	2 <sup>nd</sup> /3 <sup>rd</sup> Floor			
		Room	Room 202	Room 203	Room 205	Room 301
No Registration	8:00-9:40	S13	S14	S15	O5	
	9:40-10:00	Coffee Break (2 <sup>nd</sup> and 3 <sup>rd</sup> Floor Lobby)				
	10:00-11:45	Special Lectures by Young Investigator Awardees				
	12:00-13:00	Closing Ceremony/Young Investigator Award Ceremony				

SL: special lecture- 2 speakers (30 min/person)

S: Symposium- 4-5 speakers (20-25 min/person)

O: Oral Communication- 5 speakers (20 min/person)

## Tour Information

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### *Taipei 101*



TAIPEI 101 was awarded the tallest building in the world for 5 consecutive years. This magnificent building has 101 stories above ground and 5 stories below. The 508-meter-tall Taipei 101 is an engineering feat that brings Taipei to the world. Sitting among the clouds during the day and overseeing the night scenery of Taipei City, TAIPEI 101 offers a variety of attractions, including shopping, observatory restaurants, entertainment and art exhibition. TAIPEI 101 Observatory's elevators are Guinness Record-breaking high-speed pressurized elevators in 2004, with a speed of 1010 meters per minute. It takes only 37 seconds to reach the 89th Floor. At 382 meters above the ground the 89F Observation Floor offers visitors a commanding view of the city and Taipei Basin at all directions. The world's largest damper, weighing 660 metric tons, is also exhibited at this level. The Observatory is equipped with high-power binoculars, drinks bar, image services, pre-recorded audio tour guides, and souvenir shops.

### *Lungshan Temple*

Lungshan Temple is a famous old temple in Taiwan. It is for worshipping Guanshiyin Buddha and other divine spirits. The temple was built in Chianlung 5th year in Ching Dynasty. Due to natural disaster and damages caused by men, the temple was restored for several times. The doors, beams, and poles are beautifully decorated. There is a pair of bronze dragon poles in the front hall, four pairs of dragon poles in the middle hall. The sculptures are delicate. There are also exquisite wood sculptures. Among them, the well and Buddha setting in the main hall are highly appreciated. The temple has many Chinese poems, verses and lyrics on signs. These add a touch of literature in addition to the religious and sightseeing value.



## *Haushi Stress Night Market*



Haushi Street Night Market is located nearby Lungshan Temple. The night market, together with night markets on Guangjou Street, Wujou Street and Shichen Street have formed a large unique market. Various commodities are sold here and it is one of the favored sites of tourists. A Chinese traditional post stands at the entrance of Haushi Street Night Market. Chinese traditional lamps are hung along the street. There are old, historical shops along the street that provide great dishes.

## *Taroko National Park*

Taroko National Park, situated in the eastern part of the Taiwan and established on November 28, 1986, covers more than 92,000 hectares in the northern section of the Central Mountain Range. This park features high mountains and sheer gorges. Many of its peaks tower above 3,000m in elevation, with many natural wonders. The spectacular Taroko Gorge and the scenic beauty of Liwu River can be conveniently viewed from the Central Cross-Island Highway. The varied mountain peaks, numerous waterfalls, diverse plant forms and animal life, together with the indigenous Taroko people, create the rich texture of this unique natural ecosystem.

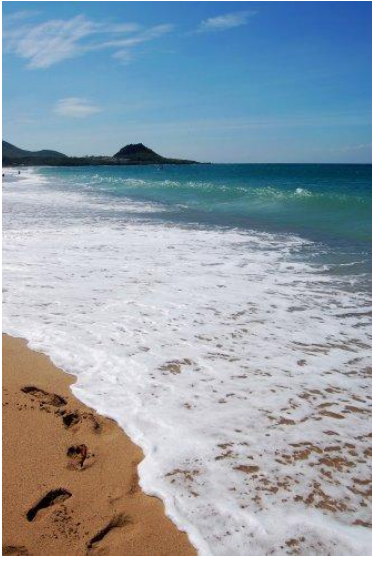


## *Ali Mountain*



Alishan is not only the most famous tourist spot in Taiwan, but the most popular travel destination for overseas tourists outside of Taipei city. Alishan's beauty is natural with living creatures. Besides the sunrise, sea of clouds, brilliant sunshine, and sunset, its spectacular views encompass the surrounding mountains.

## ***Kenting National Park***



Kenting National Park is located at the southern tip of Taiwan. With warm climate, pleasant scenery, and easy access, it is one of the most popular resorts, attracting millions of both domestic and foreign tourists every year. The diversified terrain and tropical climate of Kenting have helped breed a rich and fertile vegetation ranging from upland to coast with a full variety of living species. Combined with its existing facilities and professional interpretation services and activities, this national park offers a profound, insightful, and inspirational ecological journey.

## ***Yehliu Geopark***

The rock landscape of Yehliu Geopark is one of most famous wonders in the world. The costal line is stretching in a direction vertical to the layer and the structure line; besides, the influences caused by wave attack, rock weathering, earth movement and crustal movement all contribute to the formation of such a rare and stunning geological landscape.



## ***Hot Spring Resorts***

Several hot spring resorts are situated in the vicinity of YANGMINGSHAN National Park near by Taipei. Others are located in the Eastern coast of Taiwan. The visitors can enjoy in these resorts cherry blossoms in the spring, spring water in the summer, foggy mist in the fall, and hot spring in the winter.



## *Penghu Island*



Magong Island Recreation Area is the "laid-back fishermen's island", including Magong Island, Pengnan area, Siyu Township, Baisha Township and Hushi Township. During Ming and Ching Dynasties, Magong City was an important commercial and trade center across the strait, which gradually evolved into an important administration area for Penghu today. After hundreds of years,

many legends and historic heritages were left behind; Magong City is a miniature of the essence of Penghu humanities and histories, the streets still give off a simple and warm atmosphere like the old days, demonstrating the rich humanities of Penghu.



## *Sitou*

The Sitou Forest Recreational Area is one of the concave valleys surrounded by mountains in three sides.



The highest mountain is Ling Tou Mountain in the south with sea level 2,025m. It extends in north to Feng Huang Mountain Range to form the east mountain boundary of this area. It extends in west to Nei Shu and mountain range, which extends to north forming the south and west mountain boundaries in this area. The streams flow between the mountain range and the exit is in the north. The sea level of major area is 800-2000m.