

# FIRST ANNOUNCEMENT AND CALL FOR PAPERS

## THIRD INTERNATIONAL SYMPOSIUM ON GIS/SPATIAL ANALYSES IN FISHERY AND AQUATIC SCIENCES



**Shanghai Fisheries University,  
Shanghai, China  
August 22-26, 2005**



**Deadline for the registration and  
submission of abstract is June 15, 2005**

*Please distribute this announcement to your colleagues or friends  
who might be interested in participating in this Symposium.*

## **DEAR COLLEAGUES,**

We are pleased to announce the 'Third International Symposium on GIS/Spatial Analyses in Fishery and Aquatic Sciences'. We are following the broad theme of the Second Symposium, which emphasized GIS as a tool for conducting spatial analyses, and aquatic sciences, which encompasses the ecosystem approach to fisheries management and the interrelationships between inland and marine fisheries and aquaculture and the aquatic and terrestrial environments in which the activities take place.

### **[BACKGROUND]**

Applications of spatial analyses using GIS in fishery and aquatic sciences have lagged behind those used in terrestrial sciences. However, from the last decade of the 20<sup>th</sup> century to the present, GIS has rapidly become a powerful tool for spatial analyses in aquatic environments, as evidenced by the papers presented in the past two Symposia. There also have been many local, regional and national GIS workshops and meetings on various topics in fishery and aquatic sciences including: fisheries oceanography, aquaculture, satellite remote sensing, inland fisheries, fisheries management, spatial numerical analyses, etc. However, the opportunity to share experiences in these developments and applications at a global level has been limited. For this reason, the inaugural 'International Symposium on GIS in Fishery Science' was held in Seattle, Washington, USA in 1999. It was co-organized by the NOAA/NMFS and the 'Fishery GIS Research Group'<sup>(\*)</sup> and was quite successful, with 230 presentations (131 orals, 89 posters and 10 GIS software demonstrations).

*(\*) Its name has been also changed to 'Fishery-Aquatic GIS Research Group' in 2002 for the same reason as stated previously.*

The Second Symposium was held at the University of Sussex in Brighton, England UK in 2002, and was co-organized by the Fishery-Aquatic GIS Research Group and Dr. Geoff Meaden (keynote speaker of the First Symposium), from the Fisheries GIS Unit, Department of Geography, Canterbury Christ Church University College, Canterbury, UK. It was also successful, with 96 presentations (67 orals, 23 posters and 6 GIS system related demonstrations).

These two global fishery and aquatic GIS conferences generated interest world-wide, and there has subsequently been strong interest in demonstrating new and further developments at a Third Symposium. In the three years since the Second Symposium, there has been significant progress in GIS/spatial analyses in fishery and aquatic sciences. Hence, we encourage your participation in the Third Symposium to present new ideas or to share updates on your spatial research using GIS, or on other GIS-related issues such as software development, computer hardware, education, and reviews.

This is the **'First Announcement and Call for Papers'** for the 'Third International Symposium on GIS/Spatial Analyses in Fishery and Aquatic Sciences'. The 'Fishery-Aquatic GIS Research Group' will again be the main organizer, and the venue of the 3<sup>rd</sup> Symposium will be in the Shanghai Fisheries University, Shanghai, China, with the local co-organizers, University President & Professor Pan Yingjie and also Professor & Dean Liu-Xiong Hsu, Department of Marine Fisheries Sciences and Technologies.

## **[OBJECTIVES]**

The primary objectives of the Third Symposium are:

- To highlight developments and applications of GIS/Spatial analyses in Fishery and Aquatic Sciences;
- To exchange ideas and information; and
- To suggest further improvements, techniques and applications of GIS/Spatial analyses in Fishery and Aquatic Sciences.

## **[THEMES]**

At each Symposium, there has been a single theme in order to highlight and strengthen that area of fishery GIS (see Table 1, next page). "GIS software" was the major theme of the First Symposium. GIS was becoming an essential tool for spatial analysis of fisheries data and various GIS software programs were either being developed or adapted for these analyses. The First Symposium provided a forum to showcase these GIS software applications.

Following the First Symposium, we observed the development of basic quantitative spatial analyses using GIS; however, quantitative GIS applications and linkages to stock assessment, resources management, population estimation, geostatistics, forecasting, contour estimation, etc., were not well established or developed. Thus, the theme at the Second Symposium was "Spatial Numerical Analyses".

Three themes have been established for the Third Symposium. The first theme is the "Effective and Affordable GIS for Fishery and Aquatic Information," especially for the developing countries. Our intention is to encourage participation by people from developing countries and to demonstrate how GIS can be used by those in the developing countries.

The second theme is "Spatial Fish Stock Assessment Modeling." At the First Symposium there were several papers on GIS (space) based production models and VPAs under development, which were exciting topics. There were many geostatistics-related papers at the Second Symposium, and we hope to see further developments on both of these topics at the Third Symposium.

The third theme is “Spatial Fisheries Resource Management.” Fisheries managers not only in the developed countries but also in the developing countries are gradually integrating GIS based systems, along with GPS, VMS, satellites, electronic log books, etc., into their organizations to manage their fisheries resources . We believe that this topic will be extremely useful for government officials, engineers, GIS system developers, and scientists to help them learn about and exchange information on recent developments and technologies.

Although these topics are the themes of the Third Symposium, papers are not restricted to these areas and other relevant subjects (see next Section) are also very much welcome.

**Table 1. Themes in 1<sup>st</sup>-3<sup>rd</sup> Symposium.**

| GIS Symposium    | Themes  |
|------------------|---|
| First Symposium  | GIS Software  |
| Second Symposium | Spatial Numerical Analyses  |
| Third Symposium  | Effective and Affordable GIS for Fishery and Aquatic Information<br>(especially for the people in the developing countries) |
|                  | Spatial Fish Stock Assessment Modeling  |
|                  | Spatial Fisheries Resource Management   |

### **[PARTICIPATION]**

Participation from a broad audience representing GIS/Spatial analyses in Fishery and Aquatic Sciences is encouraged, i.e., scientists, students, computer experts (developers or engineers), managers (government officials), administrators, educators and others.

### **[PRESENTATION OF PAPERS]**

For participants who wish to present ‘papers’, there are three ways, i.e., by **oral presentation**, **poster presentation** or **PC based demonstration** of GIS software, hardware and related systems. Duration of oral presentations will depend on number of presenters, but we tentatively set them for **20 minutes** (15 minutes for presentation and 5 minutes for questions and answers). For poster presentations and PC demonstrations, particular sessions will be set up. Final duration of the oral presentations and details of poster and PC demonstrations will be determined later.

### **[LANGUAGE]**

We use only English for communications, presentations, abstracts, full papers and all the other relevant matters on the Symposium. For presenters, please speak slowly and clearly as more than 50% of the participants were non-native English speakers in the past.

## **[SUBJECTS]**

The Symposium will cover spatial analyses using GIS or GIS related topics in Fishery and Aquatic Sciences. Within this there are three main categories:

- [A] Marine related subjects;
- [B] Freshwater, Inland or Blackish-water related subjects; and
- [C] Other subjects.

Each of these three main categories may include a variety of sub-topics as follows:

### **[A] MARINE RELATED SUBJECTS**

- (1) Habitats
- (2) Fisheries
- (3) Fishery Oceanography, Marine Ecosystems or Ecology
- (4) Remote Sensing and/or Acoustic Survey
- (5) Marine Resources Analysis and Management
- (6) Geostatistics, Forecasting and Modelling
- (7) Mariculture
- (8) Artificial Reefs and Marine Protected Areas (MPA's)
- (9) Others (specify for registration)

### **[B] FRESHWATER, INLAND OR BLACKISH-WATER RELATED SUBJECTS (INCLUDING WATERSHED AND ESTUARY)**

- (1) Habitats
- (2) Fisheries
- (3) Estuarine, Lacustrine and Riverine Ecosystems or Ecology
- (4) Remote Sensing and Aquatic Surveys
- (5) Resources Analysis and Management
- (6) Forecasting, Geostatistics or Modelling
- (7) Aquaculture
- (8) Others (specify for registration)

### **[C] OTHERS**

- (1) Theory, Concepts or General Topics
- (2) Demonstration of GIS related Software, Database, Hardware or Systems using Computers
- (3) Education
- (4) Reviews
- (5) Others (specify for registration)

## [ABSTRACTS]

**All presenters MUST submit an abstract by June 15, 2005. Abstracts submitted after this date will not be accepted** due to the strict time constraint to make the Symposium Program and also produce Abstract proceedings. The Guidelines for submission of the abstract are stated in Box 1 (below). An Abstract Proceedings will be prepared and one copy will be provided for each participant at the registration desk in the Symposium. If you are interested in obtaining the Abstract Proceedings from the last two Symposia, please refer to the web site at <http://www.esl.co.jp/Sympo/index.htm>.

### **BOX 1**

#### **Guideline for Abstract Submission**

##### **(1) Format**

Each abstract will be printed in a sheet of standard A4 paper. The abstract should not exceed **350 words**. In the abstract, please include objectives, methods (including the GIS software name if applicable), results. One color GIS Map or Figure (size is not larger than 8 cm x 8 cm) can be also submitted (optional). The example of the abstract format is specified as follows:

##### **(Format of the Abstract)**

(Title) Guidelines for the Symposium on GIS in Fishery Sciences

(Authors) Yoko ONO <sup>1/</sup> and John LENNON <sup>2/</sup>

1/ Professor, GIS Research Institute, Univ. of Hot Springs, Kyoto, 424-0091, Japan ([yoko@ono.edu.jp](mailto:yoko@ono.edu.jp))

2/ GIS expert, Marine GIS Unit, University of Spring Rolls, Shanghai, 20090, China ([john@lennon.cn](mailto:john@lennon.cn))

(Key words) List by the alphabetical order, Maximum 8 key words

**(Text) Not more than 350 words**

##### **(2) Submission**

Abstracts should be submitted by E-mail to the Secretariat of the Fishery-Aquatic GIS Research Group at [aco20320@par.odn.ne.jp](mailto:aco20320@par.odn.ne.jp) by June 15, 2005. The file format can be MS-WORD, WordPerfect, or plain ASCII text.

## [AWARDS FOR BEST PRESENTATIONS]

We plan to give awards to best presentations (orals and posters). Details will be determined later.

## [KEYNOTE SPEAKERS AND MODERATORS]

Keynote speakers and moderators for each session (subject) will be determined and informed later.

## [OUTLINE OF THE SCHEDULE]

**Table 2. Outline of the Symposium schedule.**

| August, 2005 | Events and Activities  | Social events                  | Registration        |
|--------------|--|--------------------------------|---------------------|
| 22(Mon)      | - Openings   | traditional ice-breaking party | Registration period |
| 23(Tue)      | - Presentations<br>(Orals, Posters and demonstrations of GIS software, system with PCs)          | Group Photo                    |                     |
| 24(Wed)      |  | Symposium dinner               |                     |
| 25(Thu)      |  |                                |                     |
| 26(Fri)      | - Award ceremony for the best presentations<br>- Sum-up Session (Panel discussion)<br>- Closings |                                |                     |

## [SYMPOSIUM PROCEEDINGS]

Those who make a presentation (oral, poster or PC demonstration) and who wish to submit a full paper for the Symposium Proceedings to be published by Fishery-Aquatic GIS Research Group, should send a full paper to the convener by **September 30, 2005**. Papers will be peer reviewed by two referees. If the paper is then accepted, it will be checked by professional editors before formal publication. The Proceedings will be published by the end of 2006. **Revised "Guidelines" for the full papers are now under preparation and will be available in our home page by the end of June, 2005. We will inform all the presenters when it is ready.**

If you are interested in the Proceedings of the First and Second Symposium, please refer to the web site at <http://www.esl.co.jp/Sympo/1st/sympo7.htm> and <http://www.esl.co.jp/Sympo/2nd/sympo15.htm> respectively.

## [REGISTRATION]

If you wish to participate in this Symposium, send the following information by E-mail to the Secretariat of the Fishery-Aquatic GIS Research Group at [aco20320@par.odn.ne.jp](mailto:aco20320@par.odn.ne.jp).

**Please make one registration per one person.**

- (a) Full name (first, middle and last: last name in capital letter);
- (b) Name of the organization that you belong to;
- (c) Your Post, and Position or Title;
- (d) Postal (mailing) address;
- (e) E-mail address;
- (f) Telephone number including country code;
- (g) FAX number including country code; and
- (h) If you want to stay at the Guest House on campus during the Symposium, please indicate 'Guest House information needed' (for details, refer to 'ACCOMMODATIONS' Section);

If you intend to present a paper (including poster, exhibition and demonstration using PC or other devices), please also inform us of the following additional information. **If you have more than one presentation, please provide information on each separately.**

- (i) (Tentative) title of your paper (with names of co-authors, if any);
- (j) Subject of the paper: select one from category specified in [SUBJECTS] above, for example, [B]-(3);
- (k) Name of the presenter; and
- (l) Preferred method of presentation (oral, poster, or software/hardware demonstration with PC).

**After you send the registration form by e-mail, you will get the registration number from the Secretariat. If you don't get the number in one week, please re-send the e-mail or FAX.**

## [REGISTRATION FEES<sup>(\*)</sup>]

Table 3 Summary of registration fees

| Type                               | Payment Period                          | registration fees | Payment Method<br>(See next page for details)                                    |
|------------------------------------|---|-------------------|--|
| Normal registration fee            | Feb. 1- June 15, 2005                   | US \$ 150         | Credit card, check or Bank transfer  |
| Late registration fee              | June 16– Aug.21, 2005                   |                   |  |
| on-site (walk-in) registration fee | Aug. 22-26, 2005 (during the Symposium) | US \$ 250         | Cash (US\$ or EURO preferable) or Checks<br><b>Credit cards are not accepted</b> |

### [NOTE]

- (\*) Registration fees will be used for administrative expenses, costs of the facilities, the wages of the part time assistants, printing costs for the abstract proceedings and other related & necessary expenses.
- (\*) Registration fees include buffet (Shanghai) style lunches, ice-breaking party, tea, coffees and snacks for tea-breaks and the dinner during the Symposium.
- 5% of the registration fees will be donated to the Sumatra Earthquake and Tsunami victims through the International Red Cross Society.

## **Methods of Payment**

*After you get the registration number, please pay the registration fee using one of three methods, [A], [B] or [C] below. When you send the registration fee, please indicate your registration number:*

### **[Method A] Credit cards**

Visa, Master Card, American Express or JCB are accepted. Please inform us of your credit card name, its number and expiry year/month by e-mail to [aco20320@par.odn.ne.jp](mailto:aco20320@par.odn.ne.jp), the Secretariat of the Fishery-Aquatic GIS Research Group.

### **Important note**

As Agencies of these credit card companies are based in Japan, they will use Japanese currency for the settlements. This means that you might pay more than in the price list or vice versa depending upon the exchange rates between two dates, i.e., the date when the credit card Agencies pay (settle) with the Fishery-Aquatic GIS Research Group and the later date when these Agencies charge (settle) with the payees(you).

If you don't like this method, please use method [B] or [C].

### **[Method B (preferable)]**

Make a check payable (in US \$) to:  
'Fishery-Aquatic GIS Research Group' and send it by air mail to:

Fishery-Aquatic GIS Research Group  
c/o Environment Simulation Laboratory, 2F, Noble Building  
2-4-1, Arajuku-Cho, Kawagoe-city,  
Saitama-ken, Japan 350-1124

### **[Method C (less preferable due to high handling costs)]**

By Bank transfer (in US \$) to:

Fishery-Aquatic GIS Research Group  
Account number 31352313  
Bank of America (University Branch)  
4701 University Way, N.E. Seattle, WA 98105 USA

***For the on-site (walk-in) registration, credits cards are not accepted. Only cash (US\$ or EURO preferable) or checks are acceptable.***

### **[CANCELLATION POLICY]**

If you wish to cancel your attendance after completing the registration, then you should inform to the Secretariat by E-mail. If informed, 50% of the registration fee will be returned.

## [VENUE]

We will use facilities in the main campus of the Shanghai Fisheries University (SFU) located at 334 Jun Gong Road, Shanghai 20090, China. The SFU is well connected to the Pudong International Airport (60-90 minutes depending on the traffic situation) to the Hongqiao International airport (60-90 minutes), to the central railway station (40-60 minutes) and also major hotels in the town (30-60 minutes). The Bund (heart of the city) can be reached by Bus 22. For more detailed information, refer to the SFU home page at <http://www.shfu.edu.cn/englishweb/> or ask Ms Yvonne Wang at [ywwang@shfu.edu.cn](mailto:ywwang@shfu.edu.cn), Secretary to Professor Xu, the co-organizer in the SFU.

## [ACCOMMODATION]

We will provide the registrants with the information on the on-site (campus) accommodation (guest house) available at the lower prices (US\$ 30-50) on a first come first served basis (only for 45 rooms). For other accommodation, please make reservations by yourself. The two hotels with (\*) listed below are relatively close to the University (30-45 minutes by taxi depending on the traffic and it will cost about US \$3-7 by taxi for one way depending on the distances):

|  |           |  |
|--|-----------|--|
| Ocean Hotel (*)                            | (4 stars) | <a href="http://www.oceanhotel.sh.cn">www.oceanhotel.sh.cn</a>   |
| Baolong Hotel                              | (4 stars) | <a href="http://www.baolonghotel.com">www.baolonghotel.com</a>   |
| Radisson SAS Lanshen Hotel                 | (4 stars) | <a href="http://www.shanghaihotelstravel.com/radisson.htm">www.shanghaihotelstravel.com/radisson.htm</a> |
| Shanghai Golden Jade Sunshine Hotel        | (4 stars) | <a href="http://www.hhmy-hotel.com">www.hhmy-hotel.com</a>   |
| Hai Yan Hotel (*)                          | (3 stars) | <a href="http://www.haiyanhotel.com.cn">www.haiyanhotel.com.cn</a>                                       |
| Shanghai Motel Chain Co. Ltd(Huoshan Road) | (2 stars) | <a href="http://www.motel168.com/huoshan.htm">www.motel168.com/huoshan.htm</a>                           |

For other hotels, there is a large selection in Shanghai. Refer to the following three web-sites, though many other sites are available on the web:

<http://www.travelchinaguide.com/cityguides/shanghai.htm>

<http://www.xcessworld.com/index1.asp?selcity=CNSHA>

<http://www.octopustravel-us.com/cities/sha.cfm?track=3526>

## [VERY IMPORTANT NOTES]

Almost all taxi drivers cannot understand English at all. When you use the taxi, you need show names of the University and Hotels and also their addresses in **Chinese letters**. For Chinese letters of the Hotels, you can obtain them from the home pages: make a copy and keep it in your wallet. Here is the name of the University and its address in Chinese and also the contact point for help, so cut it and keep it in your wallet:

There are always **terrible traffic jams** in all the Shanghai city area. You need to add at least an extra 30 minutes in order to reach your destination such as the SFU on time. This is important especially for the presenters.

✂

的士司机 (for taxi driver)  
 上海水产大学  
 Shanghai Fisheries University  
 上海市军工路 334 号  
 334 Jun Gong Road, Shanghai 20090

Local organizer (Professor Xu : 許 教授)  
 电话 (Phone)  
 办公室 office : 021(area code) -6571-0203  
 移动 mobile : 13361955506

✂

### [EXCURSIONS]

No excursions are planned. But, refer to the web-site at :

<http://www.travelchinaguide.com/cityguides/shanghai.htm>

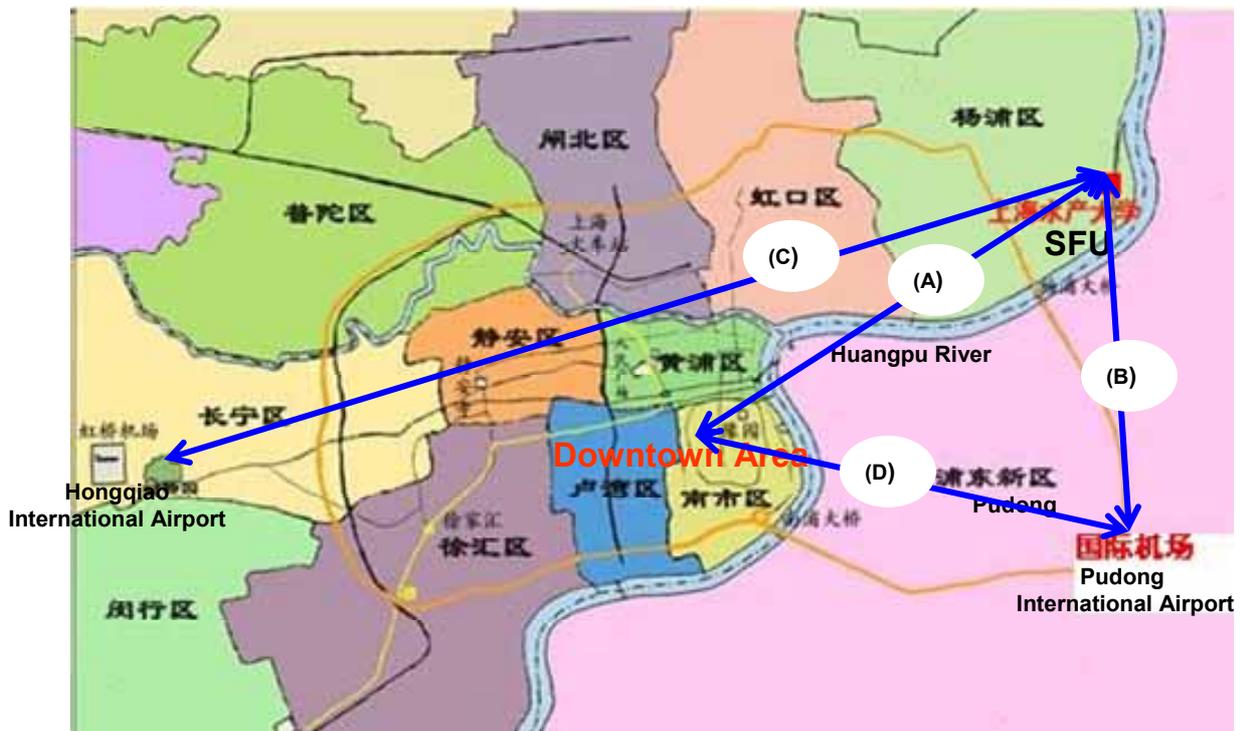
for interesting places and authentic countryside around Shanghai that you may wish to visit.

### [SCHEDULE (IMPORTANT DEADLINES AND DATES)]

| Dates                     | Contents   |
|---------------------------|--|
| June 15, 2005             | Deadline for the normal registration<br>Deadline for the abstract submission<br><br><b><i>Those who will present papers (including oral, posters and PC demonstration) MUST register and send the registration fee &amp; ABSTRACT by JUNE 15, 2005, otherwise, presentations will not be accepted.</i></b> |
| June 16<br>-Aug. 26, 2005 | Period of late or on-site (walk-in) registration   |
| Aug. 22-26, 2005          | 3 <sup>rd</sup> Symposium  |
| September 30, 2005        | Deadline of the full papers for the Proceedings<br>(GIS/Spatial analyses in Fishery and Aquatic Sciences)<br>(Volume 3)  |
| By the end of 2006        | Publication of the Proceedings<br>(GIS/Spatial analyses in Fishery and Aquatic Sciences)<br>(Volume 3)   |

## [MAP OF SHANGHAI]

SFU: Shanghai Fisheries University



Approximate commuting time between two locations by taxi :  
(time depends upon the traffic jam situations and locations)

- (A) SFU⇌Downtown : 30-60 minutes
- (B) SFU⇌Pudon International Airport : 60-90 minutes
- (C) SFU⇌ Hongqiao International airport : 60-90 minutes
- (D) Downtown⇌Pudon International Airport : 60-90 minutes

*If you don't stay in the guest house on campus, please check locations of your hotels and learn the rough time (minutes) to reach to the SFU. Those who will present papers need to add extra 30 minutes to make a good presentation with a normal breath!?*

## [HELP FOR ADVERTISEMENTS]

Please help to put this announcement in free listings, e.g., 'Fishing International', 'various GIS publications', etc. and/or to put it in the bulletin boards in research institutions, universities and other relevant outlets. Please also help to distribute this announcement to your colleagues or friends who might be interested in participating in this Symposium. We very much appreciate your kind help and cooperation.

## [ORGANIZER]

### **Fishery-Aquatic GIS Research Group**

(<http://www.esl.co.jp/Sympo/outline.htm>)

**Dr Kiyoshi Itoh** (Group Representative)

C/o Environmental Simulation Laboratory

(<http://www.esl.co.jp/>)

2F, Noble Building, 2-4-1 Arajuku-Cho,

Kawagoe, Saitama, Japan 350-1124

E-mail: [itoh@esl.co.jp](mailto:itoh@esl.co.jp)

FAX : 81(Japan)-(0 for domestic)-492-41-2442

Phone : 81(Japan)-(0 for domestic)-492-42-9262,

## [LOCAL CO-ORGANIZER]

### **President and Professor Pan Yingjie**

Shanghai Fisheries University

(<http://www.shfu.edu.cn/englishweb/>)

334 Jun Gong Road,

Shanghai 20090, China

### **Professor and Dean Liu-Xiong Hsu**

(Active and contact person)

Department of Marine Fisheries Sciences and Technologies,

Shanghai Fisheries University

(<http://www.shfu.edu.cn/englishweb/>)

334 Jun Gong Road, Shanghai 20090, China

E-mail : [lxxu@shfu.edu.cn](mailto:lxxu@shfu.edu.cn)

Phone : 86(China) - (0 for domestic)-21-6571-0203

Mobile : 86(China) -13361955506

FAX : 86(China) - (0 for domestic)-21-6571-0203

Ms Yvonne Wang

Secretary to Professor Xu

E-mail : [ywwang@shfu.edu.cn](mailto:ywwang@shfu.edu.cn)

## [CONVENER]

### **Dr Tom Nishida**

National Research Institute of Far Seas Fisheries

5-7-1 Orido, Shimizu, Shizuoka, Japan 424-8633

(Visiting Professor, Shanghai Fisheries University)

E-mail : [tnishida@affrc.go.jp](mailto:tnishida@affrc.go.jp)

Phone : 81(Japan)-(0 for domestic)-543-36-6037

FAX : 81(Japan)-(0 for domestic)-543-36-6037 or

81(Japan)-(0 for domestic)-543-35-9642

**[SUPPORTING MEMBERS]** (ALPHABETICAL ORDER OF THE LAST NAMES)

**Dr Din Chen**

International Pacific Halibut Commission,  
P.O. Box 95009, Seattle, WA, 98145-2009, USA  
E-mail : [Din@jphc.washington.edu](mailto:Din@jphc.washington.edu)  
Phone : 1(USA)-206-634-1838 Ext 229  
Fax : 1(USA)-206-632-2983

**Dr William L. Fisher**

Oklahoma Cooperative Fish and Wildlife Research Unit  
& Department of Zoology, Oklahoma State University,  
Stillwater, Oklahoma 74078 USA  
E-mail : [wfisher@okstate.edu](mailto:wfisher@okstate.edu)  
Phone : 1(USA)-405-744-6342  
Fax : 1(USA)-405-744-5006  
Homepage : [http://zoology.okstate.edu/zoo\\_fclt/fisher.htm](http://zoology.okstate.edu/zoo_fclt/fisher.htm)

**Dr Alessandro Gimona**

Macaulay Institute, Craigiebuckler  
Aberdeen  
e-mail : [a.gimona@macaulay.ac.uk](mailto:a.gimona@macaulay.ac.uk)  
Phone : 44(UK)-(0 for domestic)-1224-876544  
Fax : 44(UK)-(0 for domestic)-1224-295511

**Dr James McDaid Kapetsky** (ex-FAO GIS expert)

C-FAST, Inc.  
(Consultants in Fisheries and Aquaculture Sciences and Technologies),  
5410 Marina Club Drive, Wilmington NC 28409-4103, USA  
E-mail : [cfastinc@msn.com](mailto:cfastinc@msn.com) or [cfast@sigmaxi.org](mailto:cfast@sigmaxi.org)  
Phone : 1(USA)-910-794-9492  
Fax : 1(USA)-901-794-9492

**Dr Geoff Meaden**

Fisheries GIS Unit, Department of Geography,  
Canterbury Christ Church University College,  
North Holmes Road, Canterbury, Kent, CT1 1QU, UK  
E-mail : [gjm1@cant.ac.uk](mailto:gjm1@cant.ac.uk)  
Phone : 44(UK)- (0 for domestic)-1227-767700 (Ext. 2327)  
Fax : 44(UK)- (0 for domestic)-1227-767531

**Dr Graham J. Pierce**

Department of Zoology, University of Aberdeen  
Tillydrone Avenue, Aberdeen AB24 2TZ, Scotland  
E-mail : [g.j.pierce@abdn.ac.uk](mailto:g.j.pierce@abdn.ac.uk)  
Phone : 44(UK) -(0 for domestic)-1224-272459  
Fax : 44(UK) -(0 for domestic)-1224-272396

**Mr Vasilis D. Valavanis**

Hellenic Center for Marine Research (HCMR)  
Institute of Marine Biological Resources (IMBR)  
Marine GIS Laboratory (MGIS)  
PO BOX 2214, 71003, Iraklio, Crete, Greece  
E-mail : [vasilis@her.hcmr.gr](mailto:vasilis@her.hcmr.gr)  
Phone : 30(Greece)-2810-337817  
Fax : 30(Greece)-2810-337822  
Homepage (HCMR) : <http://www.hcmr.gr>  
Homepage (MGIS) : <http://arch.imbc.gr>

**Dr Jianjun Wang**

Department of Zoology, University of Aberdeen  
Tillydrone Avenue, Aberdeen AB24 2TZ, Scotland UK  
E-mail : [j.wang@abdn.ac.uk](mailto:j.wang@abdn.ac.uk)  
Phone : 44(UK) -(0 for domestic)-1224-273796  
Fax : 44(UK) -(0 for domestic)-1224-272396

*Other voluntary supporting members are welcome. Please contact the Convener.*

Roles of the supporting members are to promote the Symposium, to assist preparation of the Symposium, to assist various matters during the Symposium and other related matters.

**[SUPPORTING ORGANIZATION]**

**American Fisheries Society Computer User Section**

AFSCUS (<http://www.fisheries.org/cus/> )

**Fred Janssen (President-Elect)**

Texas Parks and Wildlife Department  
4200 Smith School Road  
Austin, TX 78744 USA  
E-mail: [cus@fisheries.org](mailto:cus@fisheries.org) or [fred.janssen@tpwd.state.tx.us](mailto:fred.janssen@tpwd.state.tx.us)  
Phone : 1(USA)-512-389-4655 (Voice)  
Fax : 1(USA)-512-389-4405

**The World Fish Center** (<http://www.cgiar.org/iclarm/>)

**Dr Stephen J. Hall** (Director General)  
P.O. Box 500, GPO 10670 Penang, Malaysia  
E-mail : [worldfishcenter@cgiar.org](mailto:worldfishcenter@cgiar.org)  
Phone : 60(Malaysia)-(0 for domestic)-4-626-1606  
Fax : 60(Malaysia)-(0 for domestic)-4-626-5530

Roles of the supporting organizations are to promote the Symposium by putting the Symposium information on their newsletters, journals and periodical publications.

## **[FUTURE SYMPOSIA]**

The Fishery-Aquatic GIS Research Group organizes this type of Symposium every three years in different cities in the world. The fourth Symposium will therefore be held in 2008 and the venue will be determined later.

## **[PREVIOUS PUBLICATIONS]**

Abstract Proceedings and Proceedings of the First and Second Symposium (GIS/Spatial analyses in Fishery and Aquatic Sciences Volume 1 & 2) are available. For details, refer to the following web sites on publication for sales : <http://www.esl.co.jp/Sympo/index.htm>.