

**Volume 9 Number 1 February 1996**

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*Executive Editor: Weihe Guan Editor-in-Chief: Weihe Guan*

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**PRESIDENT'S COLUMN**  
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Dear Sino-Eco Members:

It has been about a month since the new board of directors and the working committees of Sino-Eco started working. As the ball continues to roll, we are making progress.

First of all, I would like to take this opportunity to thank those who have shown their enthusiasms about the activities of the Club, and to those who have provided me and

the board with valuable suggestions and ideas. Among them, Dr. LI Yonghong's suggestion on joint editing and publication of papers by Sino-Eco members provides a viable and exciting alternative to the Club publication, an issues first proposed by Dr. TIAN Hanqin and received great attention and discussions. The Board will work with Yonghong and others to pursue the idea.

Secondly, I am encouraged to see more new members have joined the mission. Active participation of members, especially of new members, is the key to the development of the organization. I believe that the vitality of the Club lies in the continuous input of fresh minds and new blood. I will work with the board and every one of you to secure the mechanisms for active member participation.

Third, the bylaw amendment led by Dr. MOU Pu is under active development. Suggestions for revisions are solicited and being compiled. Sino-Eco has changed in last few years. Not only the membership has been increasing, but also more and more members have been graduating from schools and employed for various professional positions. Such changes have made the Club in an ever advantageous position to play a role in, for examples, promoting academic exchange between home and abroad, helping newer members on career development, and developing independent or collaborative research and development projects. The amendment should reflect these and other changes and be able to meet new challenges and opportunities.

Last, but not the least, I hope everyone can see some improvement in the quality of our Newsletter. An excellent team on Newsletter editing has been organized by Dr. GUAN Weihe. Thanks to Weihe's diligent work, we now, for the first time, have a well-developed guideline to follow for Newsletter editing.

At the eve of the traditional holiday, I wish everyone a very pleasant Spring Festival.

QI Ye  
President, SINO-ECO

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**NEWS BRIEFS**  
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**SINO-ECO Bylaw Under Revision**

The Bylaw Amendment Committee is actively engaged in bylaw revision at the present. Major items on the committee's agenda include: 1) membership; 2) election of the president; and 3) relationships with other organizations. The committee will draft amended articles and propose them to the club for discussion and approval. Comments and suggestions from all members are encouraged. Please contact Dr. Paul P. Mou at pmou@vt.edu (By: MOU Pu).

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**Invitation for Papers From China about LTER**

On the 1995 ESC congress in ZhuHai, an editor of a Chinese journal asked Sino-Eco members (or other overseas ecologists) to contribute meetings news, reviews of recent progresses, reviews of new books, or any other review information about LTER and related issues or related ecological fields.

The journal is Zi1Yuan2 (resources) Sheng1Tai4 (ecological) Huan2Jing4 (environmental) Yan2Jiu1 (research) Dong4Tai4 (advances) -- Advances in Ecological Studies of the Environment and Resources. It is under supervision of CERN.

The potential authors are assured that the reviews do not have to be very long and very comprehensive. Although some Chinese CERN or CERN related professional do travel overseas and attend conferences, many of them do not have time to write such review articles. Most of CERN researchers and students do not have opportunities to go overseas. Information you provide, though seems common knowledge to you, may benefit them greatly.

If you are interested in making contributions to the journal, you may contact: Ms. ZHAO Xiaoying, Lanzhou Documentation and Information Center, Academia Sinica, 236 Tianshui Road, LanZhou, Gansu 730000. Phone: (0931) 8825317-363, Cable: 1975 (By: DONG Quan)

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**INFORMATION EXCHANGE**  
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**Complex Systems Conference in Australia**

Dear Colleague,

I would like to draw your attention to a forthcoming Complex Systems conference in Australia in July. It is the third in a series, and this year will concentrate on ecological and general biological systems. Chris Langton from the Santa Fe Institute will be an invited speaker.

Further information can be obtained from the web address:  
<http://complex.csu.edu.au/complex/cs96no2.html>

In addition, I will be organizing a workshop to discuss artificial life, evolutionary computation and related matters.

Thank you for your time,

Bohdan Durnota  
bdurnota@mango.fcit.monash.edu.au

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**Call for Papers: Systems Analysis in Ecological Sciences**

The Second Workshop of the International Institute for General Systems Studies

January 9-11, 1997, San Marcos, Texas, USA

The International Institute for General Systems Studies (IIGSS) will hold its second workshop from January 9-11, 1997, in San Marcos, Texas. The workshop will include contributed paper sessions, topic forums, and a minicourse. The Session on Systems Analysis in Ecological Sciences has been planned in this workshop. This session is

jointly sponsored by IIGSS and the North American Chapter of the International Society for Ecological Modelling. This session will focus on academic exchanges and collaborations of the cutting-edge researches on modern systems-theoretic approaches, methodologies, and systems technology applications in ecological systems at different spatio-temporal scales among ecologists, mathematicians, statisticians, systems modelers, and computer scientists. Scientists from new, emergent, and underrepresented research groups or schools are strongly encouraged to attend this session.

Topics of the Session on Systems Analysis in Ecological Sciences will include, but not be limited to ecological applications of:

(1) General systems theories such as Complex Adaptive Systems Theory, Fuzzy Systems Theory, Grey Systems Theory, Macrodynamics, Non-equilibrium Thermodynamics, Pansystems Methodology, Self-Organization, Synergetics, etc.

(2) Nonlinear dynamic systems theories such as Cellular Automata, Chaos, Fractals, Nonlinear Phase Transitions, Percolation Theory, Wavelets, etc.

(3) Systems technologies such as AI, DSS, Evolutionary Optimization, Expert systems, Fuzzy Logic, Genetic Algorithms, GIS, Neural, Parallel and Scientific Computations, etc.

Abstracts should be at least 800 words in English on two typed pages, single spaced throughout on one side of 8.5 X 11 inch paper with a margin of one inch all around.

Abstracts should be submitted to: Bai-Lian Li (Session Chair), Center for Biosystems Modelling, Department of Industrial Engineering, Texas A&M University, College Station, TX 77843-3131, USA. E-mail: [bailian@carnivore.tamu.edu](mailto:bailian@carnivore.tamu.edu);  
Fax: (409)847-9005; and  
Tel.: (409)845-0500.

Abstracts must be received NO LATER THAN MONDAY, JUNE 10, 1996.

The corresponding author should include his/her full mailing address, phone and fax numbers, and e-mail address. To insure maximum participation, ONLY UP TO TWO PAPERS PER PERSON will be allowed. An individual may be listed as co-author on more than two papers, but senior authorship is limited to only up to two contributed papers.

Acceptance of an abstract for presentation will be based on evidence that the paper will include new and specific information that has not been previously published. Clarity of the stated objectives and results of the research, appropriateness of subject matter, and adherence to the required abstract and paper formats are also considered.

Acceptance notification: August 10, 1996.

Accepted paper submission and pre-registration deadline: October 15, 1996.

Papers accepted by and presented at the workshop will be published in a special issue of *Advances in Systems Science and Applications (ASSA)*, the official journal of the IIGSS. All accepted papers are limited to 6 pages in length. Extra pages may be charged

accordingly. IIGSS reserves the right to reject any non-qualified paper.

IIGSS will offer a half-day minicourse in systems research methodologies during the workshop. The minicourse will be conducted by Professor George J. Klir of State University of New York at Binghamton. For more detailed information, please contact the workshop organizer via E-mail at ma@iigss.math.swt.edu

Fees (All in US currency): Pre-registration fee: \$225.00 (regular) and \$140 (student) before October 15, 1996. Late or on-site registration fees: \$255.00 (regular) and \$160.00 (student). Minicourse fee: \$65.00 per person (cover handouts, if any).

IIGSS will only accept personal checks or money orders for the registration and other fees. All payments should be made payable to IIGSS and they must be drawn in US currency.

Local travel information and lodging will be available with acceptance letters. (By: Bai-Lian Li)

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**JOB INFORMATION**  
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**Tenure Track Position at Michigan State University**

Applied Terrestrial Ecosystem Ecologist (Position #AG-1380)  
This is a reannouncement of a search for an applied terrestrial ecosystem ecologist at the assistant professor level (tenure track, 12-month appointment). This position is part of the Partnership for Ecosystem Research and Management program with Michigan State University (MSU) and the Michigan Department of Natural Resources (MDNR). The successful applicant will have a joint appointment with the Department of Fisheries and Wildlife and the Department of Geography at MSU and the position will be available Fall 1996.

Qualifications: The position requires a Ph.D. with expertise in ecosystem processes (nutrient cycling and/or energy flow). The successful applicant must also have strong interests and ability in linking ecosystem processes with wildlife population and habitat dynamics. Candidates with quantitative skills and knowledge of geographic information systems are preferred.

Major responsibilities: Conduct applied research on ecosystem ecology with implications for wildlife management and biodiversity conservation; develop and teach a graduate level course on applications of ecosystem ecology to natural resources management; participate in faculty committees, public service program and advising of undergraduate and graduate students; cooperate with the MDNR in developing management policies and practices; work effectively with state, federal, and private organizations; obtain research grants; and maintain a strong publication record.

Application: By April 1, 1996 (or until a suitable candidate is found), applicants should submit a curriculum vitae, a summary of past accomplishments, a description of future research plans and teaching interests, official undergraduate and graduate transcripts, and three representative publications. In addition, applicants should arrange for three letters of reference to be sent to: Dr. Jianguo Liu, Search Committee Chair,

Department of Fisheries and Wildlife, Michigan State University, East Lansing, MI 48824-1222. Email: JLIU@PERM.FW.MSU.EDU; Phone: 517-355-1810; Fax: (517) 432-1699.

Michigan State University is an equal opportunity/affirmative action employer. Minority and women candidates are encouraged to apply. Handicappers have the right to request and receive reasonable accommodations. (By: LIU Jianguo)

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### **Faculty Position at Florida Institute of Technology**

Assistant Professor, Conservation Biology. Department of Biological Sciences, Florida Institute of Technology. Permanent nine-month position beginning August 1996. Ph.D. and postdoctoral research required. GIS experience preferred. Candidates must have research experience in applied conservation problems related to reserve design, protected species management, and marine conservation issues. Duties: developing a strong, funded research program; advising graduate students for the M.S. and Ph.D.; teaching undergraduate and graduate courses in ecology, conservation and evolutionary biology and others related to candidate's interests. Send c.v., plans for research and teaching, selected reprints, and names of three references to: Dr. G. N. Wells, Head, Department of Biological Sciences, Florida Institute of Technology, 150 W. University Blvd., Melbourne, FL 32901-6988. Tel. 407-768-8000, ext. 8034, email: gwells@fit.edu. Position pending funding. AA/EOE. (By: LIN Junda)

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### **Plant Community Ecologist Position**

Post Doctoral Research Associate position available to participate in a multiscale study of forest understory composition, structure, and diversity in managed forests of western Washington and Oregon. We seek to understand how forest management history, stand age, and site environment influence the dynamics of understory plant communities during secondary succession and to develop a model that predicts changes in forest understories through time under alternative silvicultural regimes.

Studies are currently focused on private timberlands in the region; the incumbent will contribute to supplemental proposals that address similar questions on state and federal lands. Strong quantitative skills and field experience are necessary; GIS, modeling experience, and familiarity with the flora of the Pacific Northwest are desirable.

Please send curriculum vitae, description of research interests, reprints or other supporting materials, and three letters of recommendation by 15 March to Dr. Charles B. Halpern, Division of Ecosystem Science and Conservation, College of Forest Resources, Box 352100, University of Washington, Seattle, Washington, 98195-2100. Phone: (206) 543-2789, FAX: (206) 543-3254, Email: chalpern@u.washington.edu. (From: CHEN Jiquan)

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### **Post-Doctoral Position**

This post-doctoral position is funded by a grant from The Andrew W. Mellon Foundation and is intended for one year with a second year renewal based upon satisfactory

progress.

This research will focus on the effects of long-term changes that have occurred at the Hubbard Brook Experimental Forest since 1963 on stream ecosystems. For example, since about 1980 the forest has ceased accumulating biomass. Because of disease and other factors, there have been changes in the forest canopy and species composition. There also have been marked changes in the chemistry of atmospheric deposition and stream water since 1963. We undertook a series of comprehensive studies on stream ecosystems (primarily from an experimental point of view) during the 1970's and 1980's. Hopefully, these results will serve as an important reference for the studies planned now. As part of our planning for the next five years, we hope to initiate a watershed manipulation focused primarily on calcium biogeochemistry as related to the effects of acid rain during the past several decades. Studies of the ecology and biogeochemistry of stream ecosystems at Hubbard Brook will be an important part of this experimental watershed manipulation.

The cut-off date for applications is 15 February 1996, and applicants will be notified of the outcome soon thereafter. Women and minorities especially are encouraged to apply.

Gene E. Likens, Director Institute of Ecosystem Studies Millbrook, New York 12545  
Telephone: 914-677-5343; FAX: 914-677-5976; E-Mail: PKHG32A@prodigy.com  
(From: MOU Pu)

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**SINO-ECO ON THE INTERNET**  
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Sino-Eco operates on the internet since its birth eight years ago. Members communication, officials election, projects coordination, academic discussion, ... all of these activities happen through the electronic network, connecting participants from every corner of the world.

Here are some important internet addresses related to Sino-Eco:

The Sino-Eco members and friends discussion list:

**sino-ecol@biomod.fw.vt.edu**

(send sub/unsub requests to: **owner-sino-ecol@biomod.fw.vt.edu**)

The Sino-Eco Board of Directors working list:

**sinoeco-bod@biomod.fw.vt.edu**

The Sino-Eco Bylaw Amendment Committee's working list:

**sinoeco-bylaw@biomod.fw.vt.edu**

The Sino-Eco Newsletter Editors working list:

**sinoeco-editor@@biomod.fw.vt.edu**

The Sino-Eco ftp site:

**biomod.fw.vt.edu:/pub/Sino-ECO**

(use anonymous as username and your e-mail address as password)

The Sino-Eco www site:

**http://algodones.unm.edu/~yyang/sino-eco/**

(By: WU Yegang)

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**MEMBERS CONTACT UPDATE**

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Missouri Botanical Garden  
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St. Louis, MO 63166-0299  
Phone: (314) 577-9454  
Fax: (314) 577-9438  
zhu@mobot.org

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**FROM THE EDITORS**  
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**Call for Contributions to SINO-ECO Newsletter**

Dear SINO-ECO Members and Friends,

We, the 1996 SINO-ECO Newsletter Editors, sincerely invite you to contribute materials for publishing in the SINO-ECO Newsletter.

SINO-ECO Newsletter is the official newsletter of the Sino-Ecologists Club Overseas. It is published bi-monthly in every even month and distributed to all members of SINO-ECO through postal mail (hard copy) and internet (soft copy).

SINO-ECO Newsletter is aimed on promoting communication among SINO-ECO members, between SINO-ECO members and officials, and between SINO-ECO members and friends.

Please share with all members your SINO-ECO related activities, your ideas and suggestions to SINO-ECO, your research achievements, working experience, job-hunting stories, and any ecology/environmental sciences related information that you think would benefit other SINO-ECO members.

The Newsletter especially welcomes contributions reflecting new development trend of ecology/environmental sciences, new theories, new application projects, and introductions of academic institutions, government agencies and private industries which conduct ecology/environmental science research or applications.

Comments on previously published items and on the Newsletter in general are also welcome.

You may submit your contribution in ascii text format or uuencoded binary format (for graphic image such as photos) to the editors via: sinoeco-editor @biomod.fw.vt.edu

Please note that all contributions are subject to the executive editor's selection and technical editing. Contributions shall be sent by Feb. 1st in order to be considered for publishing in the Feb. issue. Contributions received later will be saved for future issues.

Thank you for your support to SINO-ECO Newsletter!

SINO-ECO Newsletter  
Editorial Board

Editors and Responsible Issues

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Issue Publish Executive  
Number Date Editor  
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No. 1 February Weihe Guan  
No. 2 April Jay Bai  
No. 3 June Fan-Rui Meng  
No. 4 August Weiyang Zhu  
No. 5 October Yegang Wu  
No. 6 December Xingdong Li  
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## **SINO-ECOLOGISTS CLUB, OVERSEAS 1996 Membership Application/Renewal Form**

**GOALS:** Sino-Ecologists Club Overseas was founded in 1988 for the purpose of promoting the exchange of ideas, knowledge, and scientific development in Ecology and related sciences, among Chinese ecologists overseas as well as between ecologists overseas and those in China. SINO-ECO provides an efficient channel between Chinese and foreign ecologists, through which mutual understanding and cooperation can be enhanced.

**EXECUTIVE COMMITTEE (96):** President: QI Ye (Cornell University); Vice-president: Currently Unfilled; Secretary General: ZHOU Weiyang (Hughes STX Co.); Treasurer: TIAN Hanqin (Ecosystem Center, Marine Biological Lab.).

**NEWSLETTER:** The SINO-ECO Newsletter is issued six times per year by the Sino-Ecologists Club Overseas. Subscription is included with annual membership dues. Comments, suggestions, and news items and articles are welcome and should be sent anytime to the editors' working list: sinoeco-editor@biomod.fw.vt.biomod.fw.vt.edu

**MEMBERSHIP:** Any individual or institution from mainland China, Taiwan, Hong Kong, Macaw, or any foreign countries, who is willing to recognize and follow the bylaws and pay the membership dues, shall be deemed to be eligible as a member. The annual due is \$5.00 for students and \$10.00 for non-students. Renewal dues should be paid by January of every year. For new members, dues paid before July 1 will cover the current year, and dues paid after July 1, will cover the current year and the following year. Donation is welcome and greatly appreciated. Donation to SINO-ECO Foundation is used to support academic exchanges with colleagues in China. Please fill in the following form and sent it, with your check payable to SINO-ECO, to the treasurer (96): **Dr. Hanqin Tian, The Ecosystem Center**

**Marine Biological Laboratory, Woods Hole, MA 02543 USA.** (Please pay in US Dollars only!)

Name: \_\_\_\_\_  
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Phone/Fax: \_\_\_\_\_  
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Address: \_\_\_\_\_  
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E-mail: \_\_\_\_\_  
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Latest Degree/Year: \_\_\_\_\_ Education

Current Position: \_\_\_\_\_

Research Interests: \_\_\_\_\_

Membership Due: \$ \_\_\_\_\_ Donation: \$ \_\_\_\_\_ New member: \_\_\_\_\_  
Renewal \_\_\_\_\_

Total: \$ \_\_\_\_\_

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

**SINO-ECO**  
**c/o Weihe Guan**  
**Ecosystem Restoration Department**  
**South Florida Water Management District**  
**3301 Gun Club Road**  
**West Palm Beach, FL 33416**

**Mail to:**