INTERNATIONAL GALLIFORMES SYMPOSIUM 2007
CHENGDU & WOLONG, CHINA

Symposium Programme

SUNDAY 14 OCTOBER 2007

1600: REGISTRATION – LOBBY WANG JIANG HOTEL
1900: DINNER – WANG JIANG CLUB RESTAURANT

MONDAY 15 OCTOBER 2007

0930: INAUGURAL SESSION
1040: SYMPOSIUM PHOTOGRAPH FOLLOWED BY TEA & COFFEE
1130: TECHNICAL SESSION 1: INTRODUCTION
   Chair G. R Potts
1130: SCIENTIFIC PROGRAMME COMMITTEE CHAIRMAN’S INTRODUCTION - Stephen J. Browne
1145: CONSERVING ASIA’S GALLIFORMES: PROGRESS AND CHALLENGES - Philip J.K. McGowan
1215: AN INTRODUCTION TO RESEARCH AND CONSERVATION OF CHINA’S GALLIFORMES - Zhang Zhengwang & Zheng Guangmei
1245: LUNCH
1400: TECHNICAL SESSION 2: CHINA 1
   Chair Sun Yuehua
1400: CONSERVATION HOTSPOTS AND GAP ANALYSIS OF THE GALLIFORMES IN CHINA – Ding Changqing & Zhang Cheng’an
1420: ROOSTING BEHAVIOUR OF BUFF-THROATED PARTRIDGE TETRAOPHASIS SZECHENYII - Xu Yu, Ran Jianghong, Zhou Xin, Yang Nan, Yue Bisong & Wang Ying
1440: A STUDY OF THE GENETIC STRUCTURE AND MOLECULAR PHYLOGEOGRAPHY OF THE TIBETAN SNOWCOCK TETRAOGALLUS TIBETANUS IN QINGHAI-TIBETAN PLATEAU - An Bei, Zhang Lixun, Ruan Luzhang, Song Sen & Liu Nalfa
1500: AN INTRODUCTION TO RESEARCH ON CABOT’S TRAGOPAN TRAGOPAN CABOT IN CAPTIVITY – Zhang Yanyun & Zheng Guangmei
1520: **TEA & COFFEE**

1550: **TECHNICAL SESSION 3 CHINA 2**  
Chair Ding Ping

1550: OCCURRENCE PATTERN OF ELLIOT’S PHEASANT *SYRMATICUS ELLIOTI* IN FRAGMENTED HABITATS – Ding Ping, Zheng Jiawen, Jiang Pingping, Xia Guirong & Xu Xiaojiang


1630: GALLIFORMES IN WUYI SHAN NATIONAL NATURAL RESERVE, JIANGXI, CHINA – Sun Yue, Dong Lu, Chen Songlin, Zhong Yilin, Liang Wei & Zhang Yanyun

1650: FEEDING BEHAVIOR OF CHINESE GROUSE *BONASA SEWERZOWI* AT LIANHUASHAN, SOUTHERN GANSU, CHINA - Wang Jie, Fang Yun, Siegfried Klaus & Sun Yuehua

1710: CONSERVATION OF PHEASANTS AND OTHER BIRDS BY SACRED GROVES IN DAOCHENG COUNTY, SICHUAN PROVINCE, CHINA - Wang Nan

1730: **CLOSE**

1900: **BANQUET HOSTED BY CHINA ORNITHOLOGICAL SOCIETY**

**TUESDAY 16 OCTOBER 2007**

0830: **TECHNICAL SESSION 4: LONG-TERM WPA STUDIES**  
Chair: Keith Howman

0830: WPA’S APPROACH TO CONSERVING GALLIFORMES – John P. Carroll & Peter J. Garson

0900: PARTRIDGES, PANDAS AND PEOPLE: FOREST CONSERVATION AND COMMUNITY DEVELOPMENT IN SOUTHERN SICHUAN, CHINA - Simon D. Dowell, Dai Bo & Roger Wilkinson

0930: TRAGOPANS, DILEMMAS AND OTHER HORNY CREATURES: WHY SHOULD COMMUNITIES CARE? - Malika Virdi

1000: WPA’S PIPAR PHEASANT RESERVE IN NEPAL: A REVIEW OF RECENT DEVELOPMENTS - Suman Sharma, Peter J. Garson, Philip J.K. McGowan & Paras B. Singh

1030: **TEA & COFFEE**

1100: **PARALLEL TECHNICAL SESSION (5A): CONSERVATION BREEDING**  
Chair: Keith Chalmers-Watson

1100: CAPTIVE GALLIFORMES IN EUROPEAN ZOOS: PRESENT AND FUTURE - Alain Hennache

1120: CONSERVATION BREEDING STRATEGY FOR WESTERN HIMALAYAN PHEASANTS IN HIMACHAL PRADESH, INDIA - Lalit Mohan
1140: CONSERVATION BREEDING OF CHEER PHEASANT *CATREUS WALLICHI* AT BLOSSOM, CHAIL PHEASANTRY, HIMACHAL PRADESH, INDIA - Sat Pal Dhiman

1200: CONSERVATION BREEDING OF WESTERN TRAGO PAN *TRAGOPAN MELANOCEPHALUS* AT SARAHAN PHEASANTRY, HIMACHAL PRADESH, INDIA - Alam Singh Chauhan


1240: RE-INTRODUCTION OF PHEASANT: PAST AND PRESENT IN MALAYSIA - Hasdi Hassan @ Asang & Siti Hawa Yatim

1100: PARALLEL TECHNICAL SESSION (5B): SPECIES ECOLOGY

Chair: Francis Buner

1100: HOME RANGE, DAILY MOVEMENT AND SITE FIDELITY OF MALE REEVES’S PHEASANT *SYRMATICUS REEVESII* AT A MANAGED RESERVE IN THE DABIE MOUNTAINS, CENTRAL CHINA - Xu Jiliang, Zhang Xiaohui, Sun Quanhui, Zhang Zhengwang, Zheng Guangmei, & Wang Yong

1120: AUTUMN TERRITORIALITY AND MOVEMENTS OF CHINESE GROUSE *TETRASTES SEWierzOWI* AT LIANHUASHAN NATURAL RESERVE, GANSU, CHINA - Siegfried Klaus, Sun Yuehua & Fang Yun

1140: ROOST-SITE SELECTION OF LADY AMHERST’S PHEASANT *CHRYSOLOPHUS AMHERSTIAE* - Kang Mingjiang & Zheng Guangmei

1200: BREEDING HABITAT SELECTION OF SYMPATRIC TEMMINCK’S TRAGO PAN *TRAGOPAN TEMMINCKII* AND BLOOD PHEASANT *ITHAGINIS CRUENTUS* - Cui Peng & Deng Wenhong

1220: ROOST-SITE SELECTION AND ROOSTING BEHAVIOR OF TEMMINCK’S TRAGO PAN *TRAGOPAN TEMMINCKII* IN LAOJUNSHAN NATIONAL NATURAL RESERVE, SICHUAN, CHINA - Cong Peihao & Zheng Guangmei

1240: NESTING AND REPRODUCTIVE BEHAVIOUR OF SIAMESE FIREBACK *LOPHURA DIARDI* AND SILVER PHEASANT *LOPHURA NYCTHEMERA* AT KHAO YAI NATIONAL PARK, THAILAND - Tommaso Savini & Niti Sukumal

1300: LUNCH

1430: TECHNICAL SESSION 6: COUNTRY & REGIONAL OVERVIEWS

Chair: Samar Singh

1430: NATIVE PARTRIDGES OF TURKEY - Alper Yılmaz & Cafer Tepeli

1450: DISTRIBUTION AND STATUS OF GALLIFORMES IN THE UNITED ARAB EMIRATES - Shahid Bashir Khan, Salim Javed & Junid Nazeer Shah

1510: MONITORING OF PHEASANTS OF PAKISTAN: WHAT IS THE FUTURE FOR PAKISTAN'S GALLIFORMES? - Rab Nawaz

1530: TECHNICAL SESSION 7: GALLIFORMES REINTRODUCTION

Chair: Wolfgang Grummt
Conservation Breeding
- AN INVESTIGATION OF THE BREEDING PERFORMANCE OF A CAPTIVE CHUKAR PARTRIDGE ALECTORIS CHUKAR FLOCK - Alper Yılmaz & Cafer Tepeli
- STATUS OF PHEASANTS IN INDIAN ZOOS: A CASE STUDY OF DELHI ZOO - Abdul J. Urfi
- CAPTIVE BREEDING OF PHEASANT AT WILDLIFE CONSERVATION CENTRE SUNGKAI, PERAK MALAYSIA - Asa'afar Nizam Bin Asa'ari
- A STUDY OF REINTRODUCED HUME'S PHEASANT SYRMATICHE HUMIAE - Chen Weicai & Li Huanhua

Species Ecology
- DIET AND HABITAT USE DURING THE EARLY BREEDING SEASON OF REEVES’S PHEASANT SYRMATICUS REEVESII IN HENAN, CENTRAL CHINA - Liu Yang, Sun Di, Dong Lu & Zhang Zhengwang
- POSSIBLE SUBSPECIES DIFFERENTIATION OF COLLARD HILL-PARTRIDGE ARBOROPHILA GINGICA AND CONSEQUENCES FOR ITS CONSERVATION - Zhou Fang & Jiang Aiwu
- INCUBATION PATTERNS OF MALE AND FEMALE NORTHERN BOBWHITE COLINUS VIRGINIANUS - Gretchen Turner, Joe Burnam, Seth Stapleton, William Palmer & John Carroll
- PROGRESS OF STUDIES ON SICHUAN HILL-PARTRIDGE ARBOROPHILA RUFIPECTUS, CHINA - Dai Bo & Feng Shenglin
- OBSERVATIONS ON THE COMMON PHEASANT PHASIANUS COLCHICUS IN THE ALAZANI RIVER VALLEY, REPUBLIC OF GEORGIA - John P. Carroll, Brant C. Faircloth & Revaz Machaidze
- UNUSUAL NESTING BEHAVIOUR OF THE INDIAN PEAFOWL PAVO CRISTATUS - Samar Singh

Country & Regional Overviews
- STATUS AND DISTRIBUTION OF THREATENED GALLIFORMES IN CAMBODIA - Chhum Samnang, Stephen Browne & Sak Ousaphea
- HISTORICAL DEVELOPMENT OF THE INDIAN SUBCONTINENT'S PROTECTED AREA NETWORK AND ITS RELEVANCE TO CONSERVATION OF THE
1730: Close

1900: Buffet Dinner

WEDNESDAY 17 OCTOBER 2007

0830: Technical Session 9: Conservation Research and Strategy

Chair: Brigadier Mukhtar

0830: Re-introductions, Translocations and Benign Introductions: Potential Tools in Galliform Conservation - Myles Lamont


0910: Global Commonalities in Agroecosystem Management: Implications for the Management of the Galliformes - Jeffrey J. Thompson & John P. Carroll

0930: Can Sexual Selection Drive Female Life Histories? A Comparative Study on Galliform Birds - Nic Kolm, R. Will Stein, Arne Ø. Mooers, Jan J. Verspoor & Emma J. A. Cunningham

0950: Post Earthquake Relief and Environmental Rehabilitation in the Palas Valley, Pakistan - Mohammad Hanif

1010: How Well is the Palawan Peacock Pheasant Polyplectron Emphanum and Other Key Species Covered by Protected Areas? - Neil A.D. Mallari & Stuart Marsden

1030: Tea & Coffee
1100: **Parallel Technical Session 10A: Abundance, Distribution and Habitat Use**  
*Chair: Siegfried Klaus*

1100: UNDERSTANDING THE GEOGRAPHICAL RANGE DECLINE OF THE GALLIFORMES - Elizabeth H Boakes, Richard A Fuller, Philip J.K. McGowan & Georgina Mace


1140: LANDSCAPE ANALYSIS OF HABITAT AND OCCURRENCE PROBABILITY OF WESTERN TRAGOPAN TRAGOPAN MELANOCEPHALUS - Krishnamurthy Ramesh, Philip J.K. McGowan & Qamar Qureshi

1200: THE DISTRIBUTION AND ABUNDANCE OF GREEN PEAFOWL PAVO MUTICUS IN THAILAND - Wina Meckvichai, Suthatipong Asirapoj, Sawai Wonghongsu & Chatchawan Pittamkham


1240: HOME RANGE ANALYSIS OF SIAMESE FIREBACK LOPHURA DIARDI AND SILVER PHEASANT LOPHURA NYCTHEMERA IN KHAO YAI NATIONAL PARK, THAILAND - Niti Sukumal & Tommaso Savini

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1100: **Parallel Technical Session 10B: Genetic & Phylogenetic Studies**  
*Chair: Brant Faircloth*

1100: GENETIC DIVERSITY AND POPULATION EXPANSION IN GREEN JUNGLEFOWL GALLUS VARIUS IN INDONESIA - Sri Sulandari, Victor Mobegi, M. Syamsul A. Zein, Zhao Shengguo, Olivier Hanotte & Han Jianlin

1120: GENETIC POPULATION STRUCTURE AND SUBSPECIES RELATIONSHIP OF THE NORTHERN BOBWHITE COLinus VIRGINIANUS IN THE UNITED STATES - Soo Hyung Eo, C. Joseph Nairn & John P. Carroll

1140: RELATEDNESS WITHIN AND AMONG NORTHERN BOBWHITE COLinus VIRGINIANUS COVEYS MEASURED USING NUCLEAR DNA LOCI: A PRELIMINARY ASSESSMENT - Brant C. Faircloth, Theron M. Terhune, William E. Palmer, & John P. Carroll

1200: INTROGRESSION, ALLELE FREQUENCY, AND GENE FLOW FOLLOWING TRANLOCATION OF NORTHERN BOBWHITES COLinus VIRGINIANUS IN AN ISOLATED, FRAGMENTED HABITAT: A PRELIMINARY ASSESSMENT - Theron M. Terhune, Brant C. Faircloth, D. Clay Sisson, William E. Palmer, H. Lee Stribling & John P. Carroll

1220: CONSERVATION OF RED JUNGLEFOWL GALLUS GALLUS IN INDIA – A COLLABORATIVE RESEARCH INITIATIVE - M. Fernandes, Murkesh, S. Sathyakumar, R. Kaul, R.S. Kalsi & D. Sharma

1300:  Lunch

1430:  Technical Session 11: Poster Presentations (Including Tea & Coffee)

Introduction: John P. Carroll

Abundance, Distribution and Habitat Use
- Survey of Cheer Pheasant *Catreus wallichi* around Dhorpatan Hunting Reserve, Western Nepal - Paras B. Singh, Laxman P. Poudyal, Suman Sharma, Peter J. Garson & Hem S. Baral
- Northern Bobwhite *Colinus virginianus* habitat use on altered grasslands in Florida, U.S.A. - James A. Martin, William E. Palmer, Tommy C. Hines & John P. Carroll
- Assessing the status of the Western Tragopan *Tragopan melanocephalus* in Palas Valley, Pakistan - Francis D. Buner
- Density of Grey Junglefowl *Gallus sonneratii* at Gudalur range in Theni forest division, Western Ghat, India - M. C. Sathyarayana
- The status of the distribution of the green peafowl *Pavo muticus* in Yunnan province - Han Lianxian, Liu Yueqiang & Han Beng
- The abundance and habitat use of green peafowl *Pavo muticus* in Shuangbai KONGLONGHE nature reserve, China - Liu Yueqiang, Han Lianxian, Xie Yichang, Wen Yunyan & Zhang Rengong
- The abundance of four galliform species in Sichuan Laojunshan nature reserve, Sichuan province, China - Lu Gang, David Lee, Yang Jie, Philip J.K. McGowan, Ran Jianghong & Yue Bisong
- The abundance of four pheasants in Mamize nature reserve, Sichuan province, China - Li Rengui, David Lee, Zhang Xiulei, Philip J.K. McGowan, Ran Jianghong & Yue Bisong

Genetic and Phylogenetic Studies
- A species-level phylogenetic hypothesis for the Phasianidae - R. Will Stein & Arne Ø. Mooers
- Genetic diversity and differentiation of geographic populations of Cabot’s Tragopan *Tragopan caboti* - Zhang Jie & Zhang Yanyun
- Phylogeographic structure of Przewalski’s partridge *Alectoris magna* based on mitochondrial cytochrome b and control region - Yang Zhisong, Yu Hongli, Jin Yuanting, Chao Shengyu & Liu Naifa
- The effects of introgressive hybridization on population genetic diversity of Przewalski’s partridge *Alectoris magna* in North Western China - Liu Naifa & Huang Zuhao
- Ecological genetics of Przewalski’s partridge *Alectoris magna*: environmental factors and population genetic variability correlations - Huang Zuhao & Liu Naifa
- Phylogeny of some galliform species in China - Wen Longying, Gong Jiawan & Liu Naifa
• A PILOT STUDY OF THE POPULATION GENETICS OF BROWN EARED-PHEASANT CROSSOPTILON MANTCHURICUM IN THE LULIANG MOUNTAINS - Chang Jiang, Wu Aiping & Zhang Zhengwang

• PHYLOGENETIC POSITION OF THE GENUS TETRAOPHASIS AS INFERRED FROM MITOCHONDRIAL AND NUCLEAR SEQUENCES - Meng Yang, Dai Bo, Ran Jianghong, Li Jing & Yue Bisong

• POLYMORPHIC MICROSATELLITES DEVELOPED BY CROSS-SPECIES AMPLIFICATIONS IN BUFF-THROATED PARTRIDGE TETRAOPHASIS SZECHENYII - Zhou Xin, Xu Yu, Ran Jianghong, Yue Bisong, Cao Lusha & Li Jing

Methods and Technology
• NOVEL RELEASE TECHNIQUES OF NORTHERN BOBWHITE QUAIL COLINUS VIRGINIANUS CHICKS - Randy D. Cass, William E. Palmer & John P. Carroll

• USING CAMERA TRAPS TO ESTIMATE POPULATION DENSITIES WITH UNIDENTIFIABLE INDIVIDUALS: AN EXAMPLE WITH THE GREAT ARGUS PHEASANT ARGUSIANUS ARGUS IN SUMATRA - Nurul L. Winarni, Jeffrey J. Thompson, Timothy G. O’Brien, Margaret F. Kinnaird & John Carroll

• MEASURING NORTHERN BOBWHITE QUAIL COLINUS VIRGINIANUS PRODUCTIVITY: A HOLISTIC APPROACH - Susan N. Ellis-Felege, William E. Palmer, Shane D. Wellendorf & John P. Carroll

Conservation Research and Strategy
• (32) RESPONSES OF GALLIFORMES TO ANTHROPOGENIC PRESSURES AT BEDINI-ALI, NANDA DEVI BIOSPHERE RESERVE, UTTARANCHAL - Bhattacharya T., Sathyakumar S. & Rawat G.S.

1630: Plenary Session
Chair Dick Potts

1630: THE POLITICS OF BIODIVERSITY - Elliot Morley
1700: SUMMING UP OF THE SYMPOSIUM – Simon Dowell

1730: Close

1930: Banquet hosted by the World Pheasant Association
Most ecological research explores the species-habitat relationship and the causal factors governing the pattern. Frequently, records of species data obtained at local scale (e.g. points, lines, area, etc.) are related to habitat variables from same locations to explain the relationship. However, the emerging knowledge points to the fact that ecological process and consequent influence on species varies in space (spatial scale), and therefore, it is important to address the ecological issues at varying spatial scales to be able to draw decisive inference on the species. For instance, the ground cover might be an important factor at local scale for determining pheasant population distribution, whereas patch size and shape or climate might be important at larger scales. Ecologists are increasingly concerned about the interplay of these multiple factors, and their effect on structuring populations. The concept of landscape ecology and spatial analysis tools (e.g. Remote Sensing and GIS) have become useful in addressing this complex situation, and it is now possible to measure and analyze variables from local to regional or global scales. In addition, the results could be presented in tabular as well as map forms, offering ready option for conservationists and managers.

Through this short course, we aim to provide an opportunity and options for pheasant biologists and conservationists for strengthening their research focus and conservation efforts. The specific objectives include (a) provide an overview of the basic concepts, methods and practical relevance of landscape ecology, (b) hands-on experience in Remote Sensing, GIS and relevant spatial analysis tools, and (c) demonstrate the data collection procedures and analytical options for studying species-habitat relationship, and developing distribution models at landscape level.

The course is proposed for two days (19th and 20th) at Wolong National Nature Reserve, China. The following is the schedule and content of the modules;

19th Morning: Introduction, concepts and theoretical inputs.

19th Afternoon: Training on Remote Sensing, GIS and other spatial analysis software such as IDRISI & FRAGSTATS.

20th Morning: Data collection methods, plotting distribution and abundance information, and extracting variables for habitat models.

20th Afternoon: Species-habitat association analysis and mapping using logistic model and ecological niche factor analysis (ENFA). Inputs for specific research queries related to current and future research projects by the researchers.

Organizers: Qamar Qureshi (Wildlife Institute of India) & K. Ramesh (Wildlife Institute of India /World Pheasant Association)

Course type: Lectures and computer lab

Maximum number of participants: 10 - 15
A large proportion of wildlife studies are concerned with the distribution and abundance of species. However, research on the distribution and abundance of wildlife is often plagued by the failure to account for incomplete detectability of individuals or species. The development of occupancy modelling has produced powerful tools for estimating the distribution and abundance of species that can incorporate biases in detection related to site (habitat type, vegetation density, elevation, etc.) and survey (observer, weather, time, date, etc.) covariates. Critical to the use of occupancy modelling is the application of proper study design to allow for the inference of estimates to area of interest as a whole, as well to obtain the desired level of precision. In this workshop we introduce the basics of occupancy modelling by covering its fundamental theory, study design issues related to sample size and precision, and data analysis and interpretation of results.

19th Morning: General introduction; introduction to count statistics; considerations for study design – why?, what?, and how?; sampling effort – resources vs. precision; Sampling schemes – replication in space and/or time.

19th Afternoon
20th all day: By arrangement - discussions with participants about their specific research projects.

Organizers: Jeffery Thompson, Brant Faircloth, Theron Terhune

Course type: Lectures

Maximum Number of participants: 15